



QUATTROCCHI KWOK
ARCHITECTS

LIBERTY HIGH SCHOOL Administration and Student Commons Modernization

Addendum 05

January 5, 2021

DSA File Number: 7-H4

DSA Application Number: 01-119033

PTN: 61721-55

Owner:

Liberty Union High School District
20 Oak Street
Brentwood, CA 94513

Architect:

Quattrocchi Kwok Architects
636 Fifth Street
Santa Rosa, California 95404
P: 707.576.0829
F: 707.576.0295

Architect's Project No.: 1783.00

To: Prospective Bidders

The following changes, modifications and additions to Project Manual and Drawings described below are made a part thereof and are subject to all of the requirements thereof as if originally specified. The Bidder must acknowledge receipt of the Addendum in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification.

Table of Contents - Addendum 05

This Addendum consists of 7 pages and the attachments as listed below dated January 5, 2021

Deleted Text is shown in ~~strikeout type~~.

Added Text is shown in ***bold italicized type***.

ATTACHMENTS:

Project Manual

None

ADD Drawings (8.5 inch by 11 inch & 11 inch by 17 inch):

None

Drawings: (24 inch by 36 inch)

ADD 05 A-1.2	SITE DETAILS
ADD 05 A-B2.0	CAFETERIA AND A-WING BUILDING DEMOLITION PLAN
ADD 05 S3.1	CANOPY PLANS
ADD 05 S5.1	STEEL DETAILS
ADD 05 E-0.1	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
ADD 05 E-1.1	SITE PLAN - ELECTRICAL
ADD 05 E-A3.1	ADMINISTRATION BLDG. - POWER & SIGNAL
ADD 05 E-B3.1	CAFETERIA KITCHEN PLAN - LIGHTING
ADD 05 E-5.1	SINGLE LINE DIAGRAM - POWER
ADD 05 E-6.1	PANEL SCHEDULE
ADD 05 E-7.4	DETAILS

Project Record

None

End of Table of Contents

A. CHANGES TO PREVIOUS ADDENDA

None.

B. CHANGES TO THE BIDDING AND CONTRACT REQUIREMENTS

Item No. 5. 01

None.

C. CHANGES/ ADDITIONS TO THE SPECIFICATIONS

Item No. 5. 02

Section 08 7100 DOOR HARDWARE

Revised of Article 2.02.C as follows.

C. Locks

1. Except where otherwise specified, furnish all locksets, latchsets, cylinders and component parts by Schlage as specified. Provide:
 - a. Lock series and trim/design as specified, *and at all times shall include Contractor provision and installation cylinders, cores, keying and all components for fully functional hardware set.*
 - b. Locksets ~~less cylinders~~ *and cylinders with Everest cylinder in keyway as directed by the District.*
 - ~~c. Mortise cylinders and rim cylinders less cores.~~
 - d. Box strikes as required by frame types with sufficient length lip to prevent latch from damaging trim.

Item No. 5. 03

Section 08 7100 DOOR HARDWARE

Delete of Article 2.02.D from specifications

Item No. 5. 04

Section 08 7100 DOOR HARDWARE

Revised of Article 2.04 as follows.

2.04 KEYING

- A. Keying Schedule
 1. Within 10 days after approval of the hardware submittal, Contractor to have a keying conference with District/ Architect to determine the specific keying requirements of the project.
 2. Pursuant to the keying conference, Contractor shall submit a final Keying Schedule to District/ Architect for approval.
- B. Factory key all locksets and cylinders:
 1. Master key/grand master and/or higher level key as required
 2. Construction master key
- C. Furnish the following keys and related items:
 1. 2 blanks and 2 change per keyed different lock
 2. 4 each keyed alike set

3. 5 masters each MK set
 4. 2 grand masters and/or higher level keys as required
 5. 10 construction masters
 6. 1 bitting list
- D. Stamp all key bows with "DO NOT DUPLICATE" and with any other inscription as directed by the District/Architect.
- E. Tag all permanent keys with door and hardware heading numbers and deliver to District.

Item No. 5.01

Section 08 7100 DOOR HARDWARE

Revised of Article 2.05 as follows.

2.05 KEY CONTROL

- A. Key Cabinet
1. Provide MMF Industries STEELMASTER Dupli-Key model or approved equal products listed in 2.01, A.
 2. Furnish with key lock and all accessories.
 3. Cabinet size to accommodate 125 percent of total number of locks and cylinders.
 4. Deliver cabinet to District prior to building occupancy.
 5. The District is responsible for installation and hanging of keys on hooks.

D. CHANGES/ ADDITIONS TO THE DRAWINGS

Item No. 5.02

The following drawings dated January 5, 2021 denoted **Addendum 05** supersede and replace previous drawings with the same titles:

ADD 05 A-1.2	SITE DETAILS
ADD 05 A-B2.0	CAFETERIA AND A-WING BUILDING DEMOLITION PLAN
ADD 05 S3.1	CANOPY PLANS
ADD 05 S5.1	STEEL DETAILS
ADD 05 E-0.1	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
ADD 05 E-1.1	SITE PLAN - ELECTRICAL
ADD 05 E-A3.1	ADMINISTRATION BLDG. - POWER & SIGNAL
ADD 05 E-B3.1	CAFETERIA KITCHEN PLAN - LIGHTING
ADD 05 E-5.1	SINGLE LINE DIAGRAM - POWER
ADD 05 E-6.1	PANEL SCHEDULE
ADD 05 E-7.4	DETAILS

E. BIDDERS QUESTIONS

Item No. 5.03

Q: I am working on a bid for the roofing section of Liberty High School but I do need clarification on the cafeteria plan. Note 2B states that the structure is sloped do we know what the slope is for the cafeteria? Thanks.

A: The slope varies. One the lower roof the slope from the outside edge to inside wall is 1-1/2". On the upper roof it varies along the ridge with a maximum of 1-1/2" difference from the exterior.

Item No. 5.04

Q: Regarding aluminum window type W13 updated in addendum 4. When submitting for pricing from specified manufacture All Weather, they responded that they do not fabricate single hung operable windows anymore. Please provide direction on how to proceed with these windows.

A: Two manufactures are listed in the specifications. If there is not a product available, please provide a substitution request.

Item No. 5.05

Q: Please reference the entry gate shown on A-A2.1; This detail calls out to reference detail 28/A-1.2, which in turn directs you to provide a Ameristar bi-fold roll gate or similar. Ameristar does not manufacturer bi-fold roll gate. Please advise on design intent.

A: See changes to drawings

Item No. 5.06

Q: Page C-1.0 calls to remove awing adjacent to Wings A-D. This work doesn't show on the A & B architectural drawings. Can you provide more information, elevation, pictures, etc?

A: The original section drawing of the canopy with a note on the overall length of the canopy and how to restore the flatwork at the location of the removed columns have been added to Sheet Addendum A-B2.0 CAFETERIA AND A-WING BUILDING DEMOLITION PLANS.

Item No. 5.07

Q: In spec section 06 4100 1.03.D References Certified Compliance Program (CCP), 1.03.E References Monitored Compliance Program (MCP); 1.05.A.2 and 1.05.B.1 seem to indicate the (CCP); 2.13.A seems to indicate MCP.

Since there is a substantial difference in the cost of these two certification programs, please clarify if the customer wants to have the Certified Compliance Program or the Monitored Compliance Program for this project

A: CCP is desired on this project.

Item No. 5.08

Q: In Specification 06 4100, paragraph 2.11.D States to locate counter butt joints minimum 6 feet from sink cut-outs. Since the plastic laminate is available at maximum length of 12' it would be impossible to have the butt joints at least 6 feet from each end.

Please clarify the distance between the butt joint to the sink cutout. (Most specs indicate at least 2 feet from the sink cutout to the Butt joint)

A: 2' is acceptable.

Item No. 5. 09

Q: On sheets A-A2.1 and A-A7.1 In Specification 06 4100, paragraph 2.11.D States to locate counter butt joints minimum 6 feet from sink cut-outs. Since the plastic laminate is available at maximum length of 12' it would be impossible to have the butt joints at least 6 feet from each end.

Please clarify the distance between the butt joint to the sink cutout. (Most specs indicate at least 2 feet from the sink cutout to the Butt joint)

A: 2' is acceptable.

Item No. 5. 10

Q: If a bidder chooses to submit phone numbers & email address of their subcontractors within 24 hours of the bid, who at the District should they be sent to? And what is their contact information, including e-mail?

From the Designation of Subcontractors form on page 17:

“*This information must be provided at the time of submission of the bid or must be provided within 24 hours after the time set for the opening of bids. Bidders who choose to provide this information within 24 hours after the time set for the opening of bids are solely responsible to ensure the District receives this information in a timely manner....”

A: Liz Robbins
Chief Business Officer
Liberty Union High School District
20 Oak Street, Brentwood, CA 94513
925-634-2166 ext 2030
robbinsl@luhsd.net

Item No. 5. 11

Q: Sheet A-A2.1 shows the wall that has the Flat Screen on it as being a wood framed wall. Keynote 25 on Sheet A-A7.1 indicates casework at that location.

Please clarify what material is on that section of the wall. If it is casework, I need a cross section indicating what it is and how it is anchored to the wood framing.

A: The flat screen is on a wall next to an alcove with cabinets. The flat screen shows on the interior elevation just under keynote #7 on the north elevation.

Item No. 5. 12

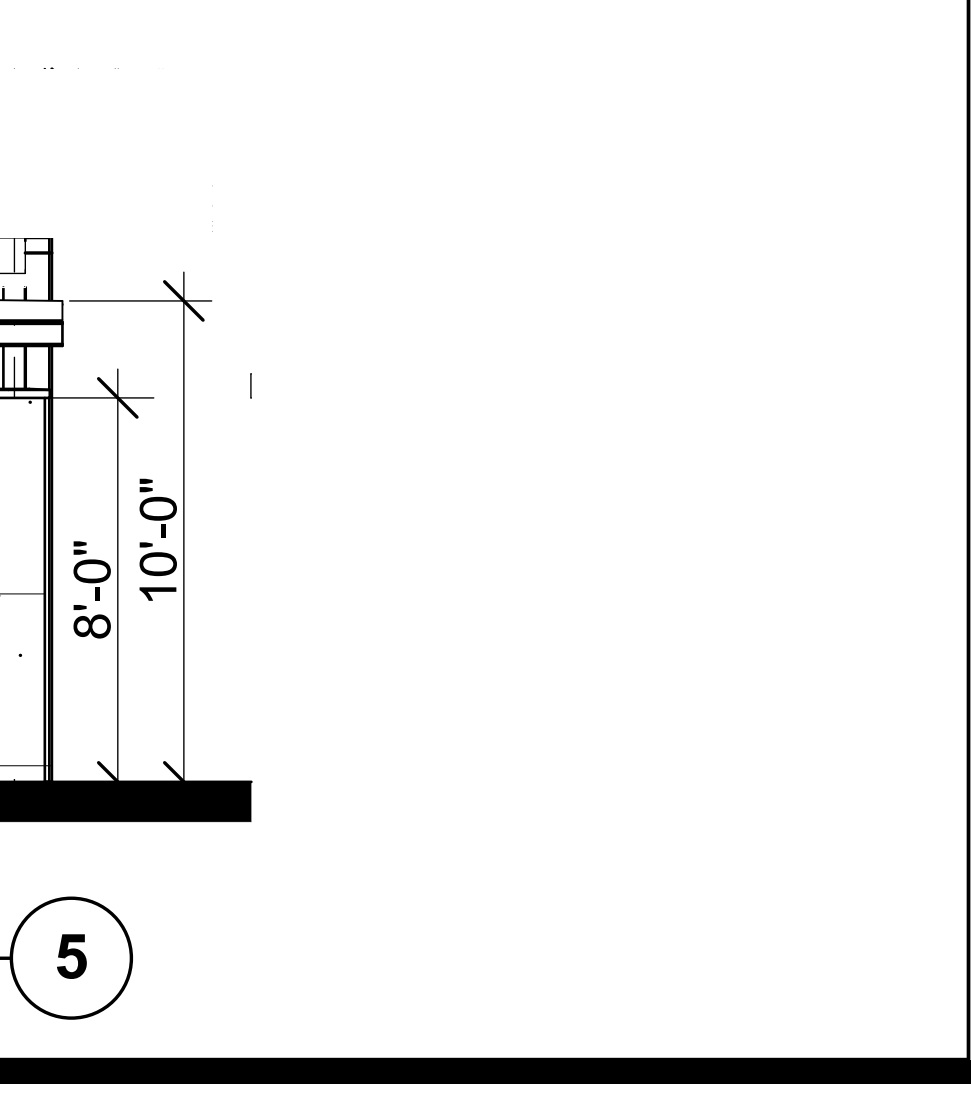
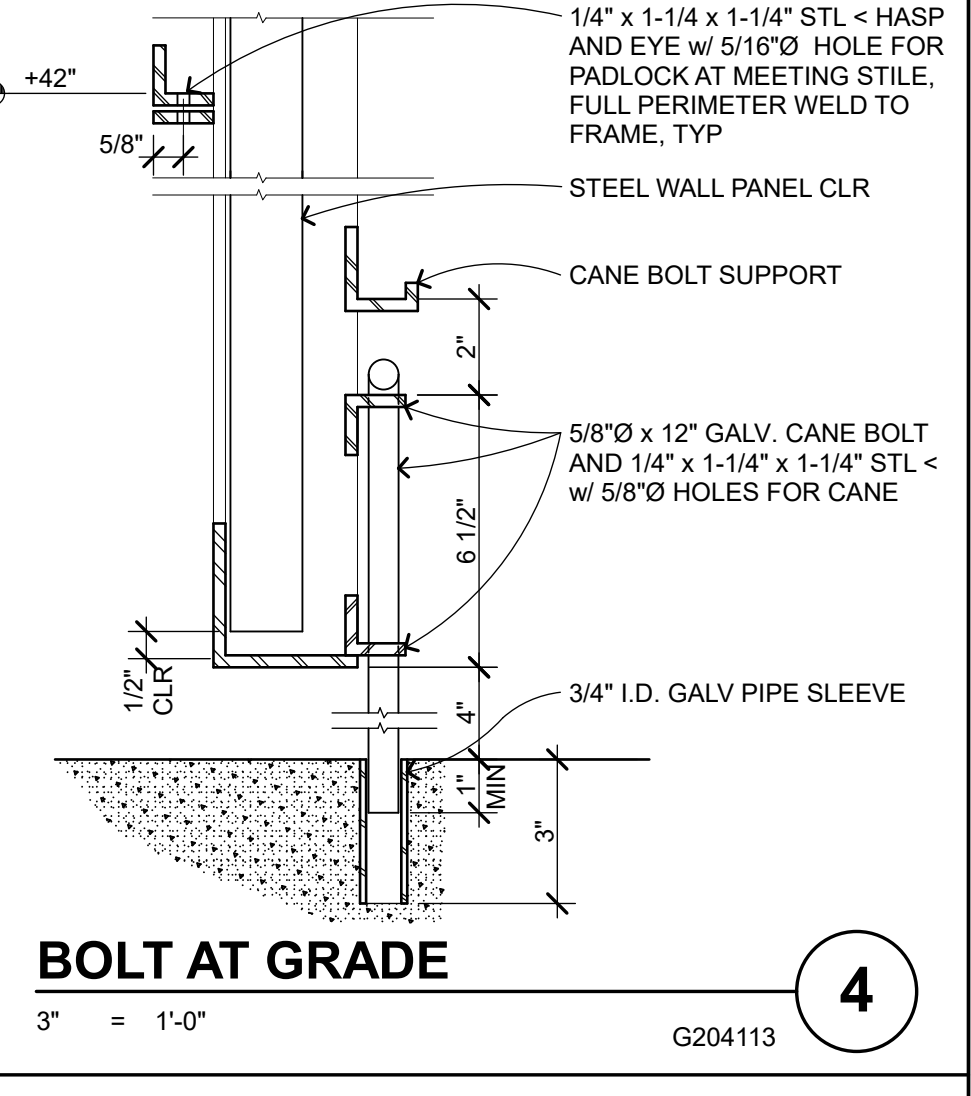
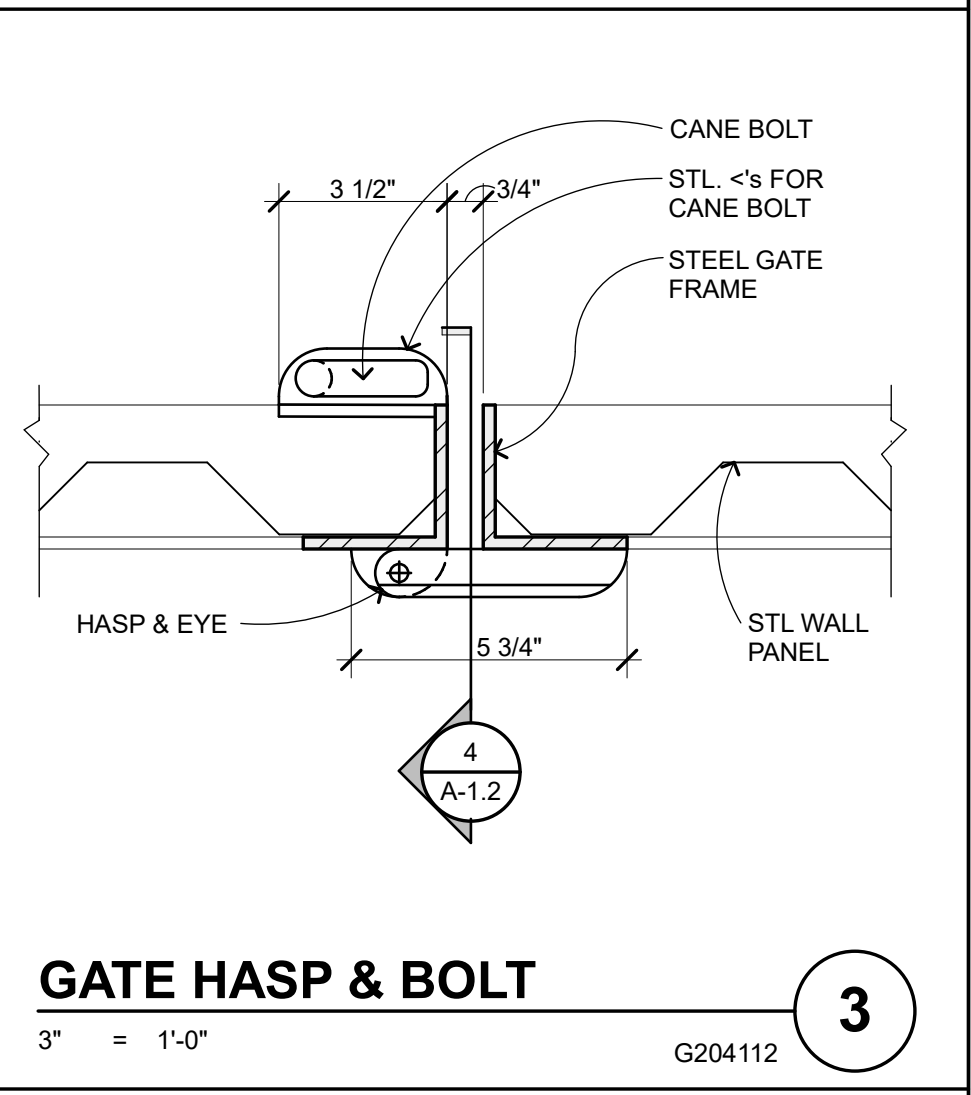
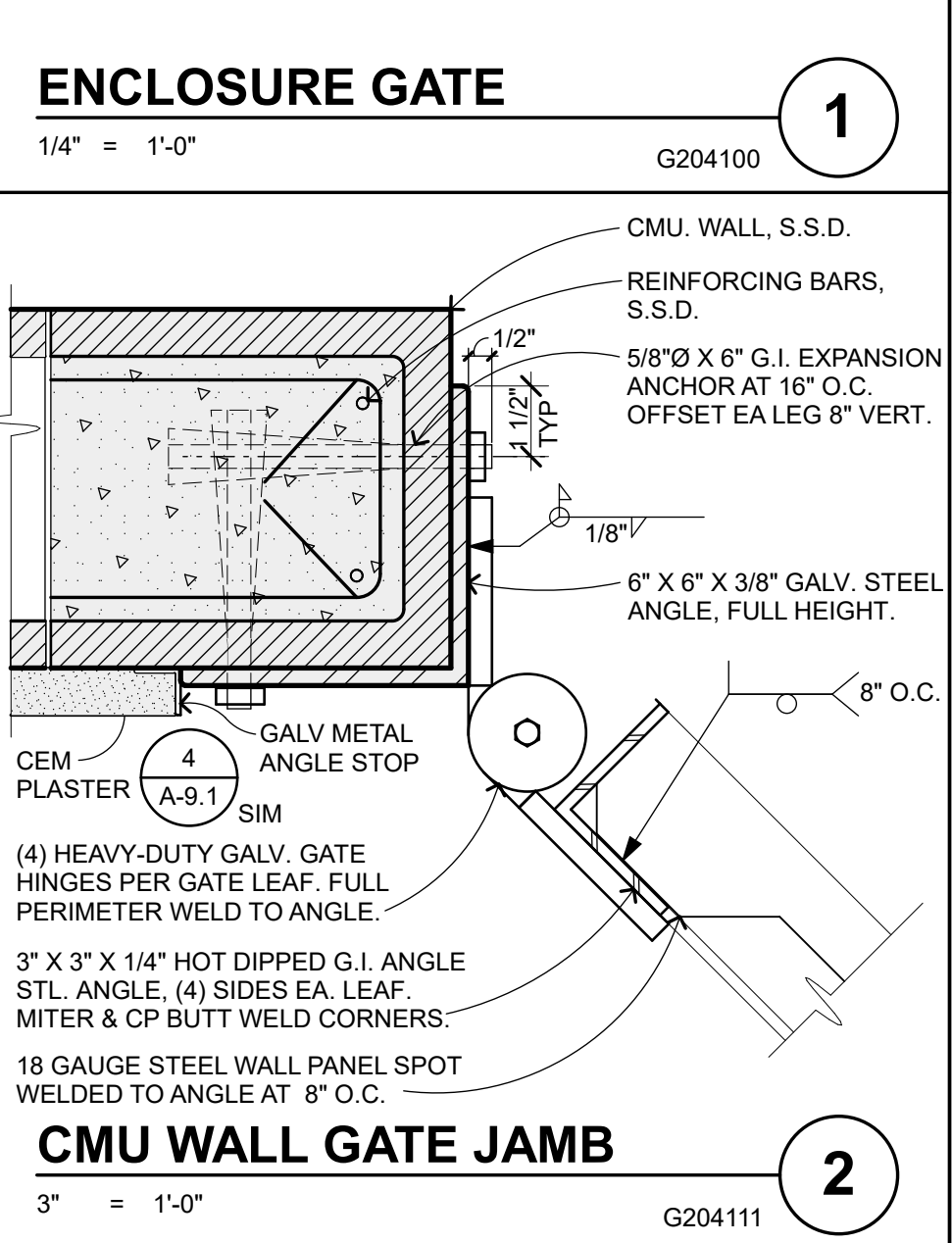
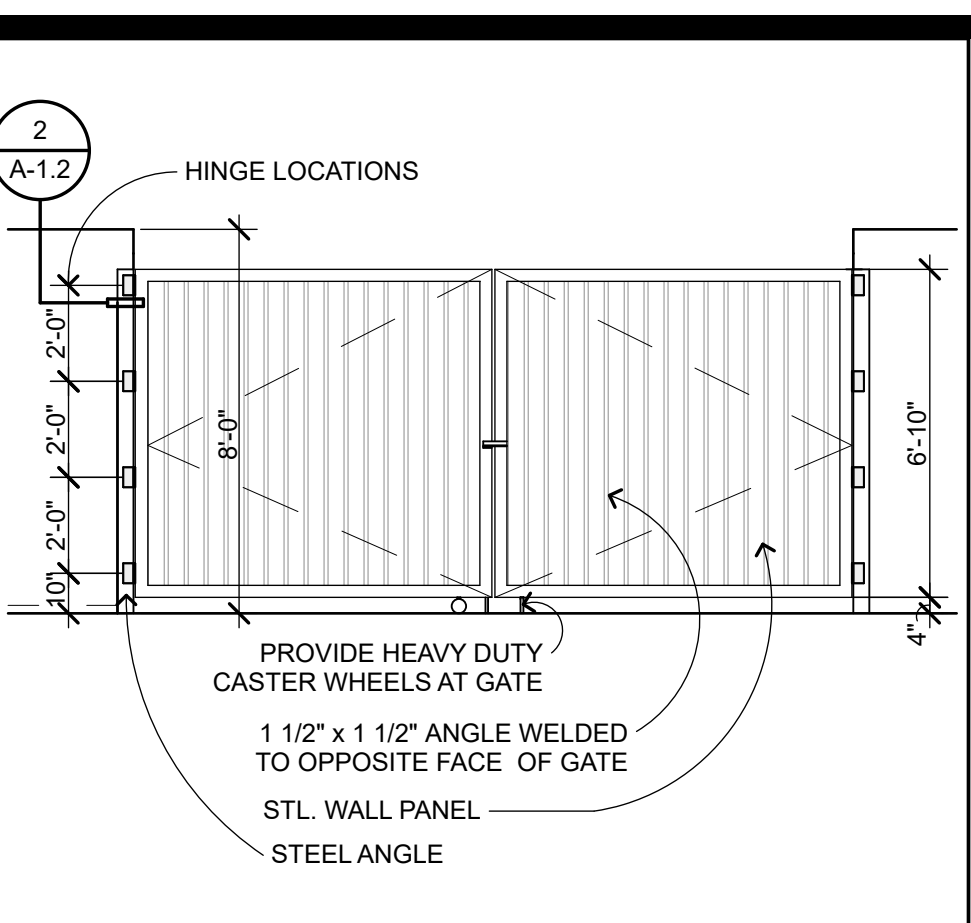
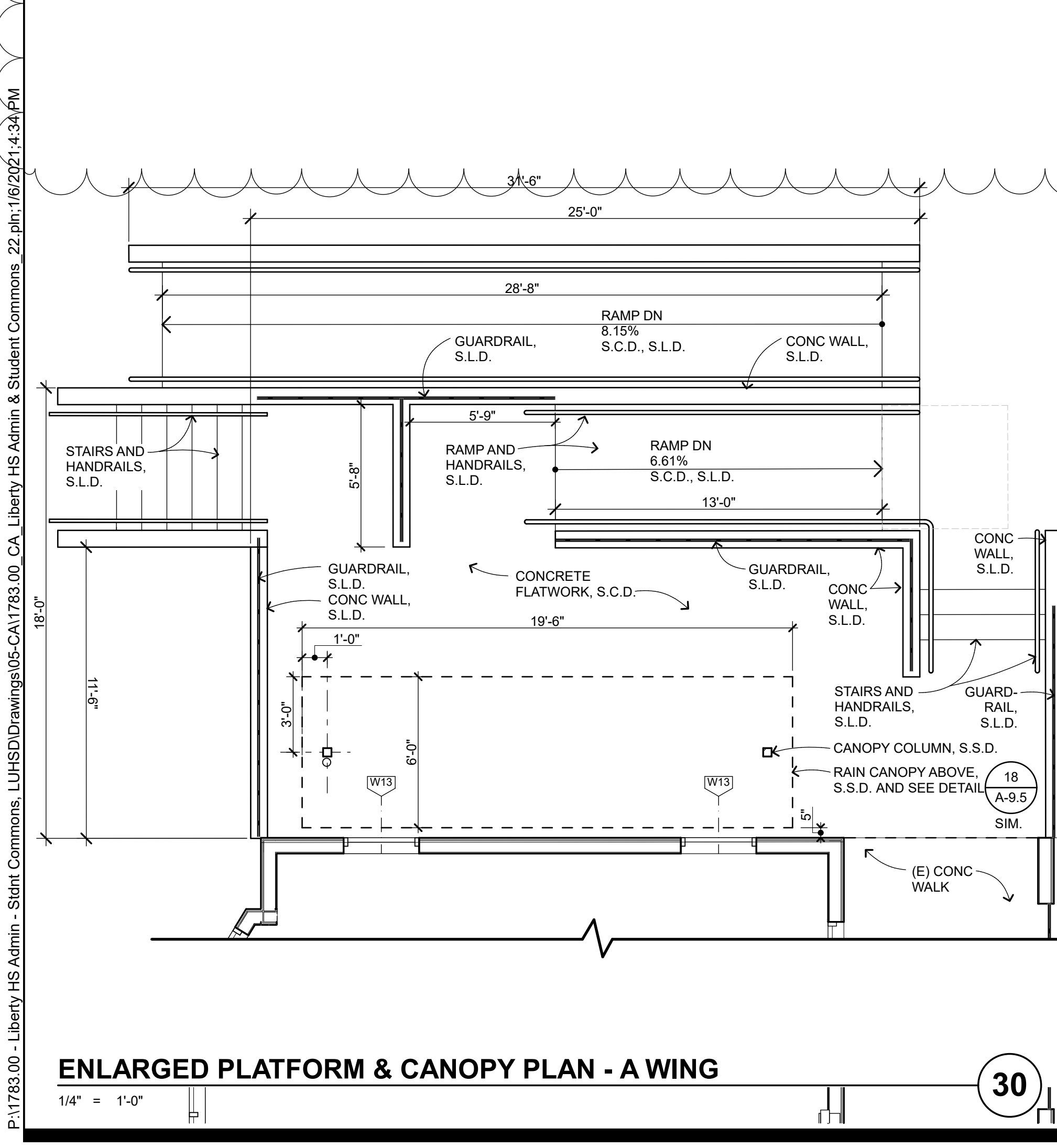
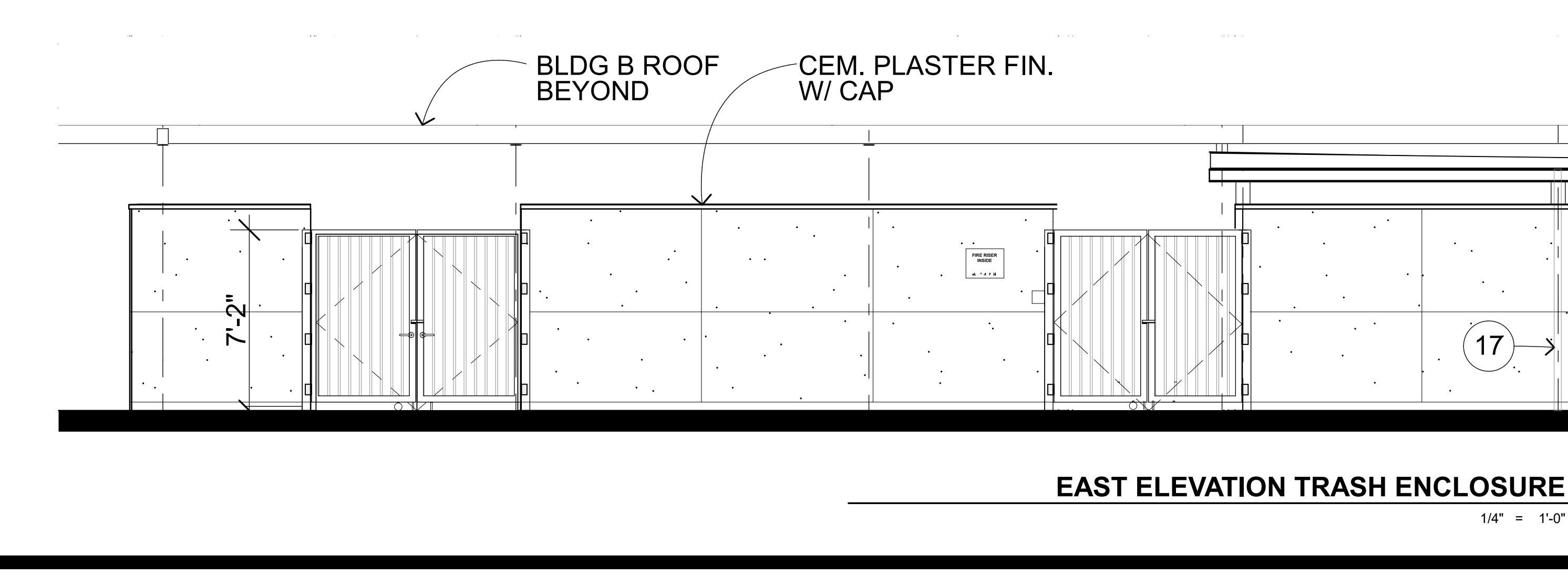
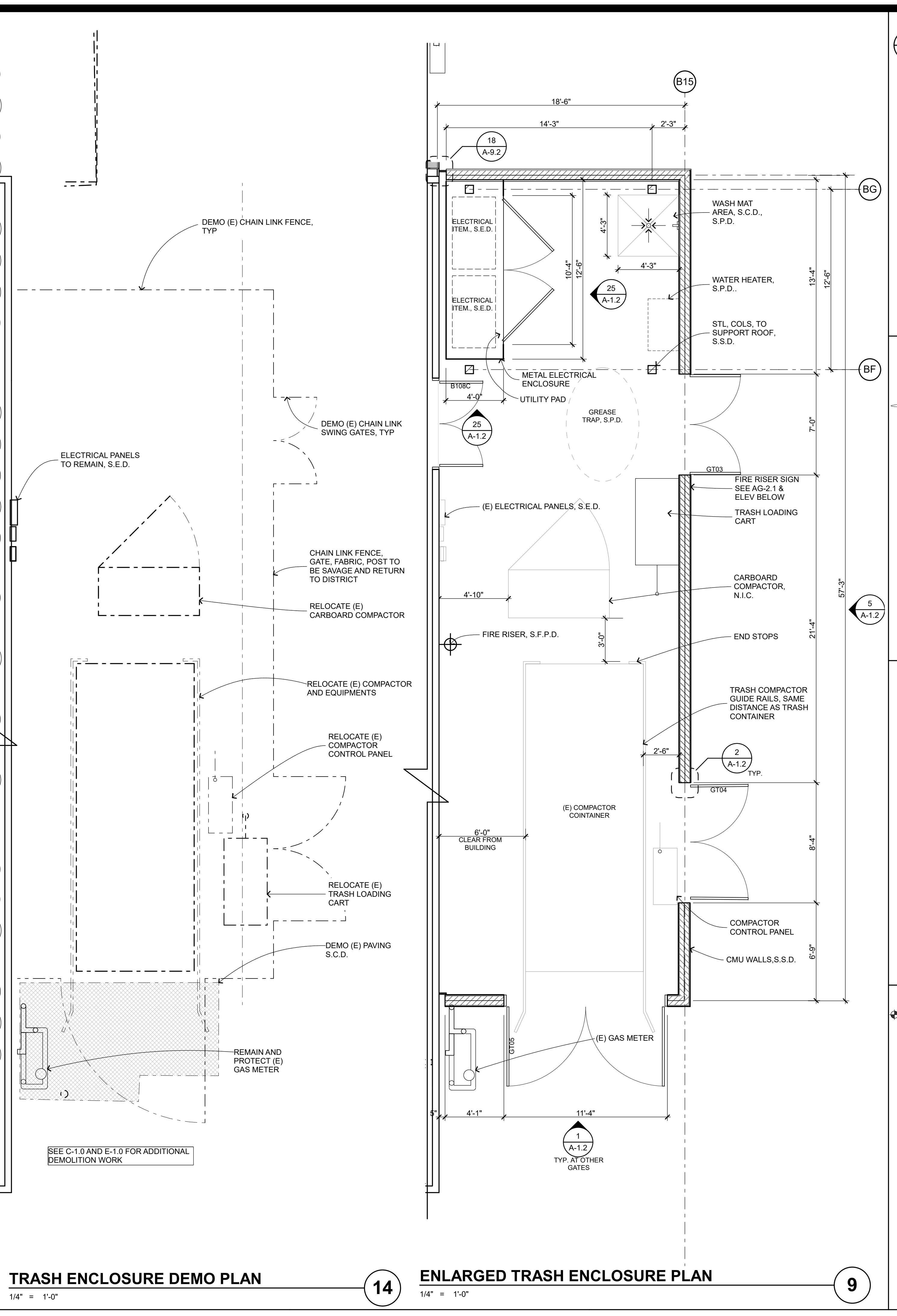
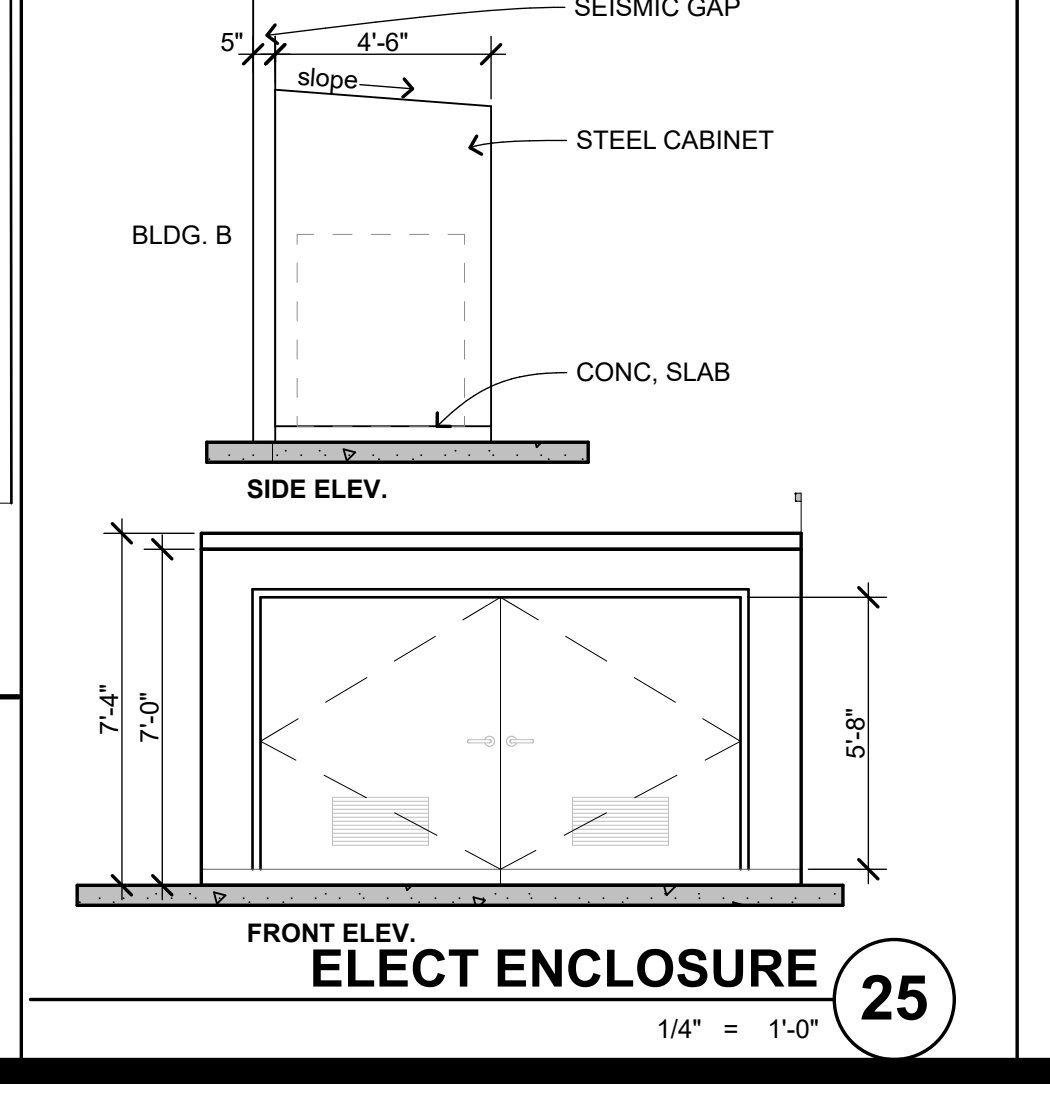
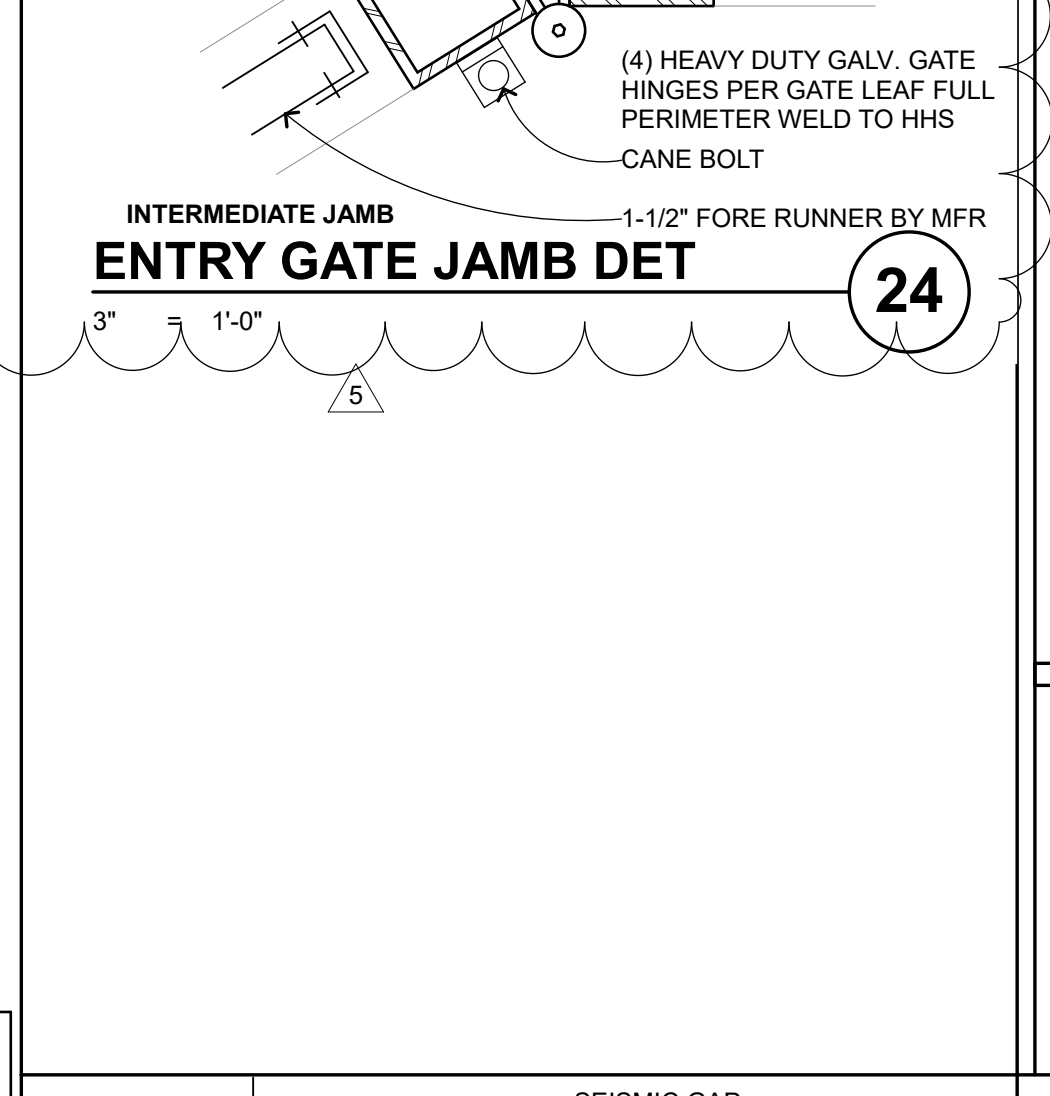
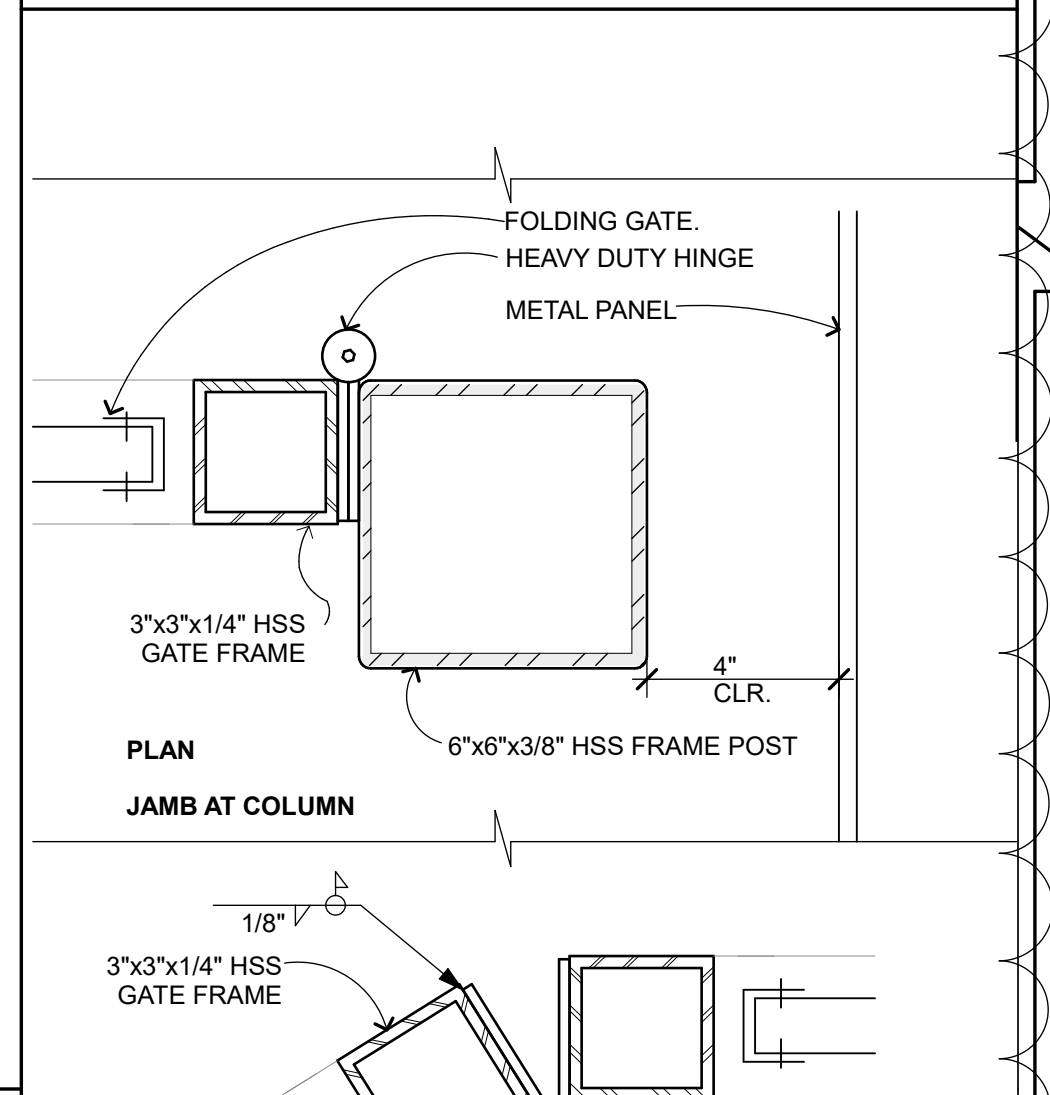
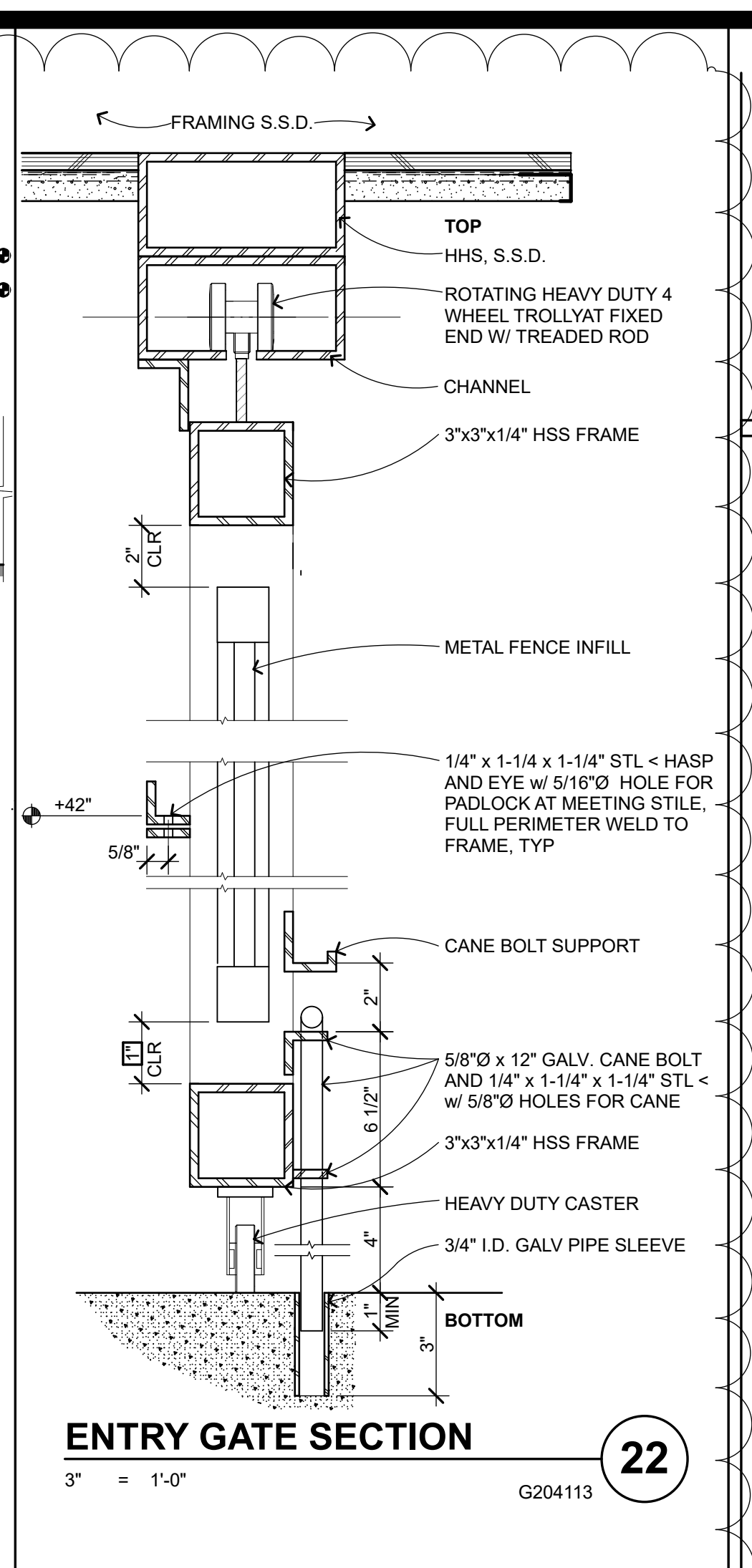
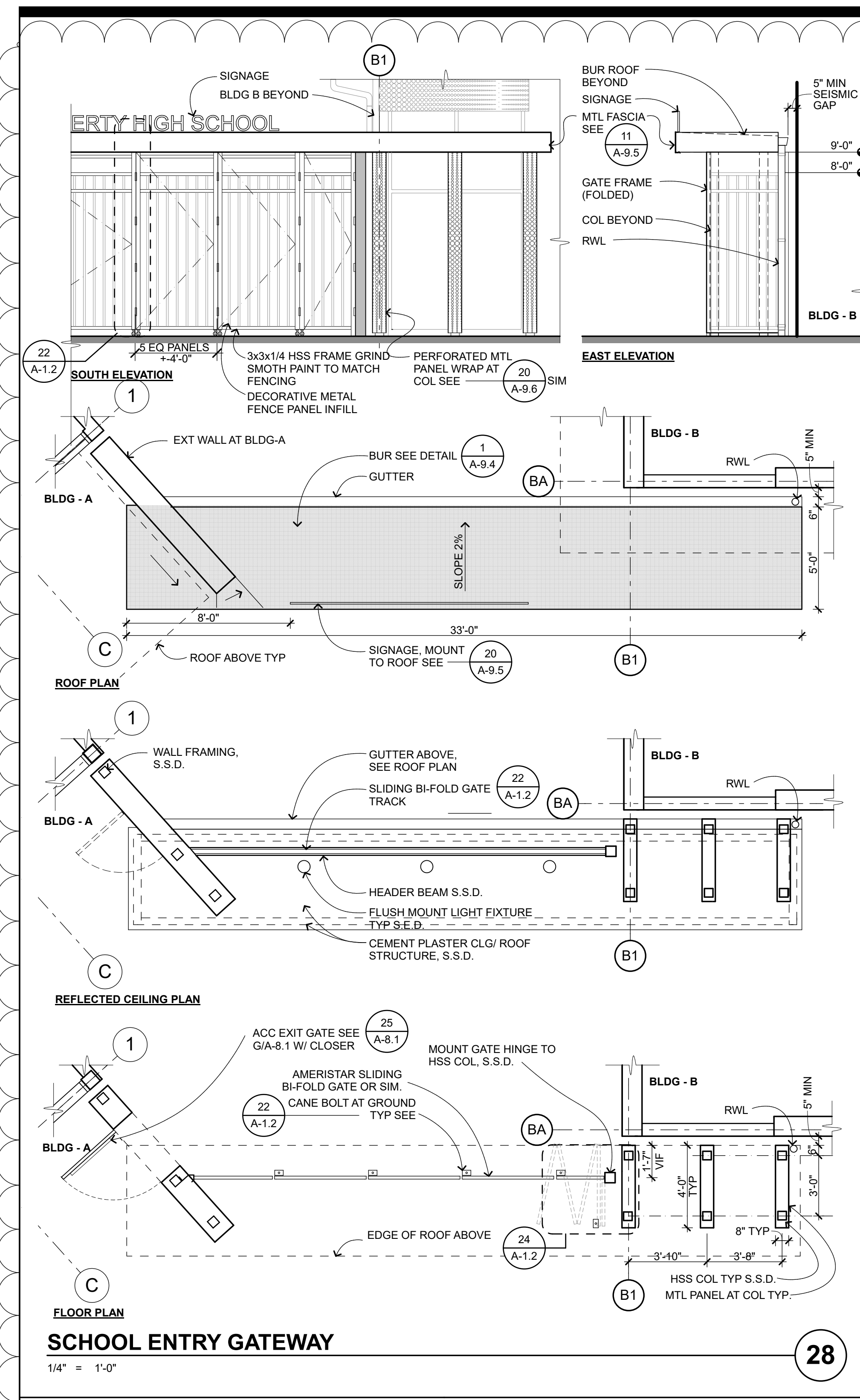
Q: Please clarify if the scope of work includes provision of cylinders and keying for door hardware.

A: **Bid amount shall include cost to provide and install all cylinders, cores and keying to provide fully functional hardware set and comply with District choices.**

Specification Section 08 7000 Door Hardware articles 2.02.C, 2.03.D 2.04 and 2.05 have been amended by this addendum to clarify that all door hardware sets that require cylinders, cores or keying will be provided and installed by contractor.

Article 3.06 Hardware Schedules - If there is any question based on component model number whether cylinders, cores or keying is to be provided by Contractor, **Contractor bid shall provide for hardware sets inclusive of provision and installation of cylinders, cores and keying of all components require for fully functional hardware set.**

END OF ADDENDUM



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Pleasanton Office: 600 Main Street, Suite E, Pleasanton, CA 94566
(707) 576-0829

ARCHITECT
JIM THEISS
LICENSE # C22643
EXP. JUNE 30, 2021
STATE OF CALIFORNIA
SIGNED: DECEMBER 28, 2020

LIBERTY HIGH SCHOOL

ADMINISTRATION & STUDENT COMMONS

850 2ND STREET
BRENTWOOD, CA 94513

LIBERTY UNION HIGH SCHOOL DISTRICT

2	12/18/20	ADD-02
5	1/5/21	ADD-05

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PTN: 61721-75 FILE NO: 7-44

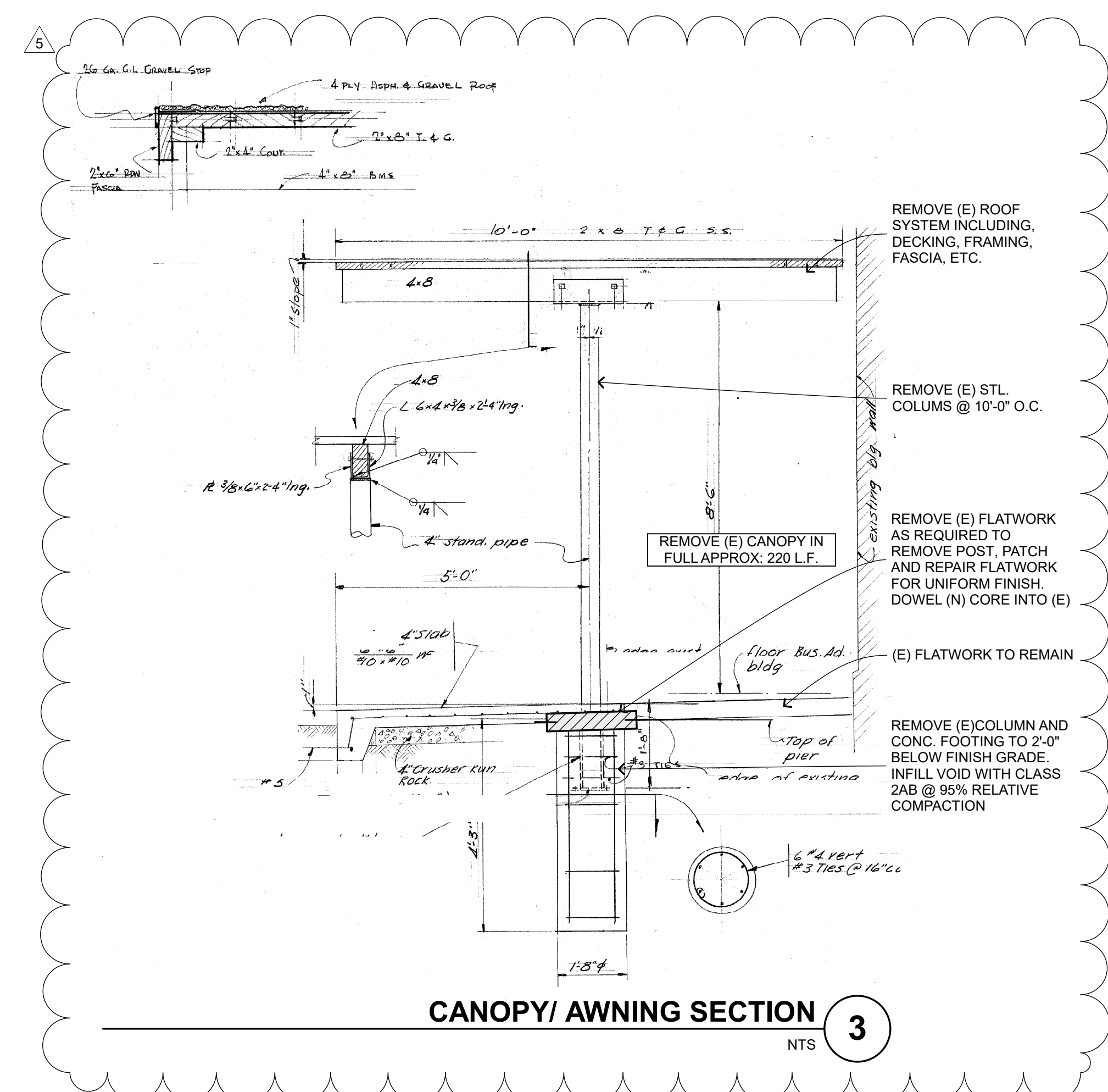
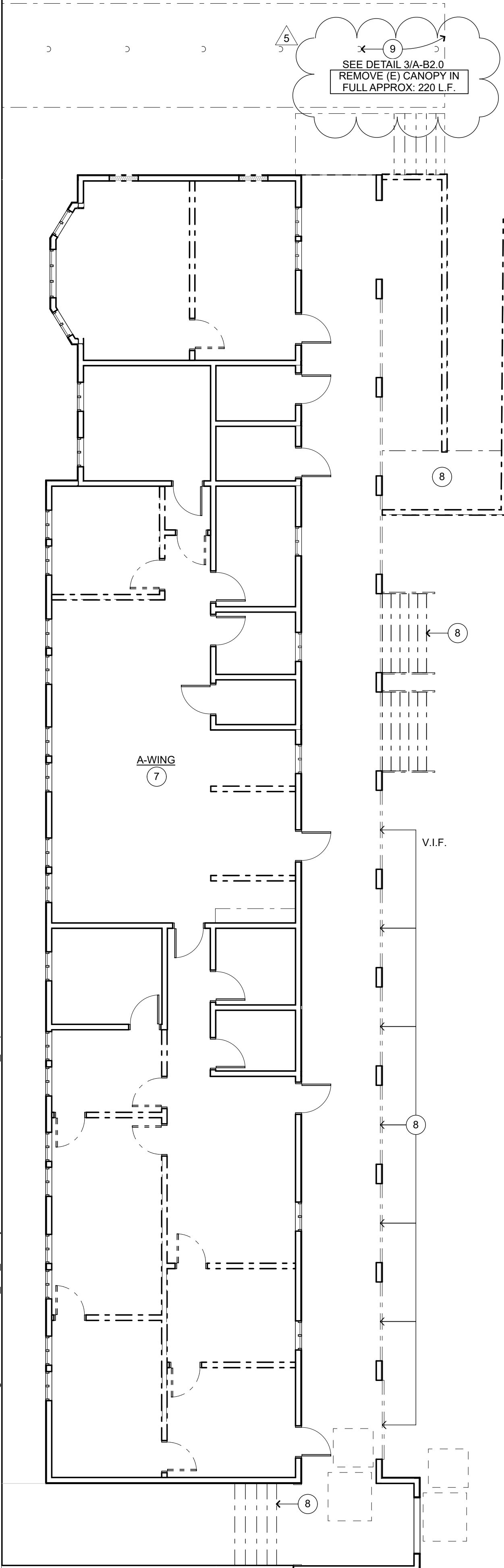
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SITE DETAILS

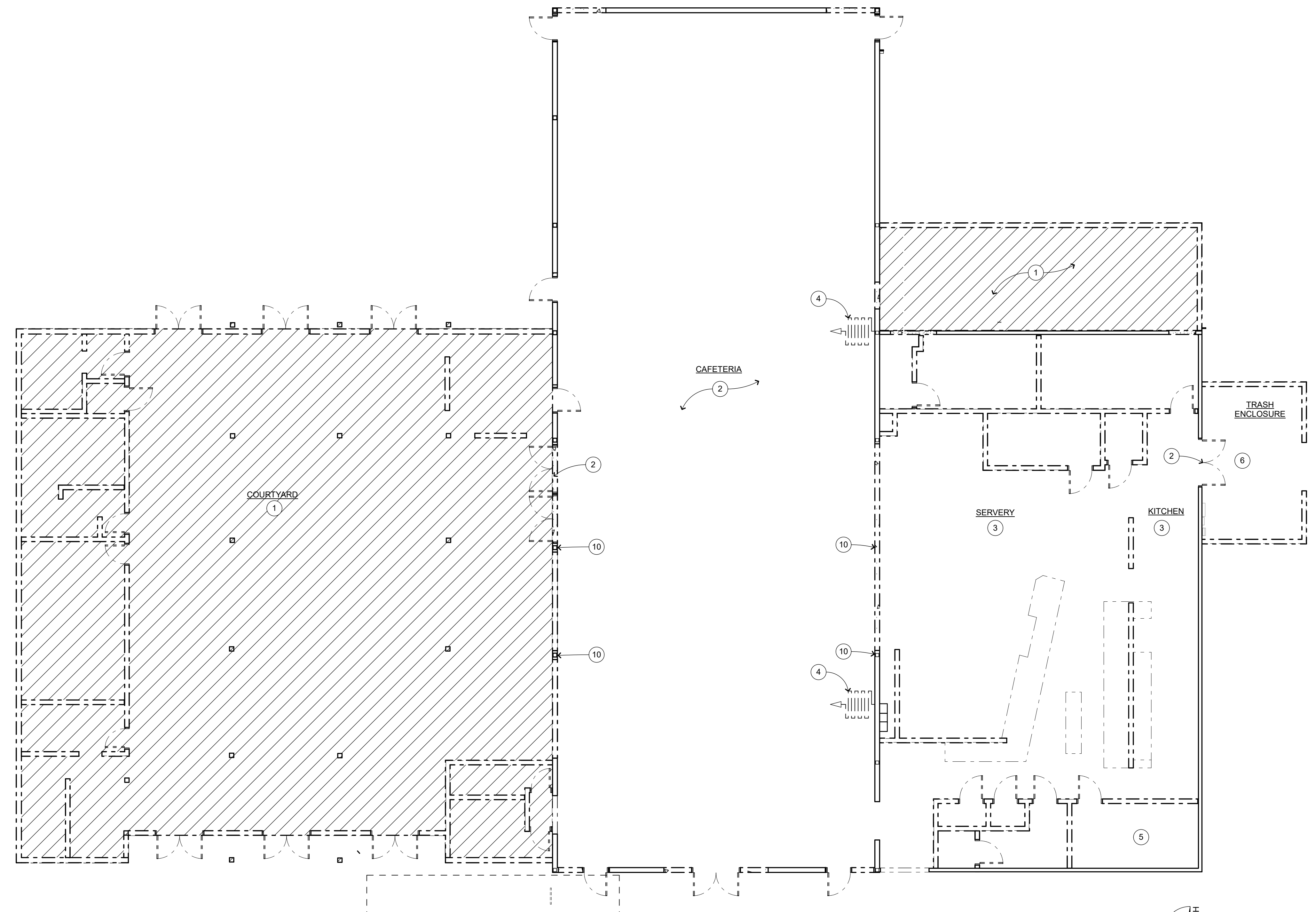
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A-1.2

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CAFETERIA ROOF DEMO
1/16" = 1'-0"



CAFETERIA AND A-WING BUILDINGS DEMOLITION FLOOR PLAN
1/8" = 1'-0"

DEMOLITION PLAN KEYNOTES

- NOT ALL KEYNOTES MAY APPLY TO THIS SHEET
- CAFETERIA BUILDING: EXISTING STRUCTURE TO BE DEMOLISHED (COMPLETE) INCLUDING FOUNDATION, CONCRETE FLOORS, COLUMNS, WALLS, ROOF, MECH & ELEC SYSTEMS
 - EXISTING FLOOR FINISH, CEILING TILE, DOORS, WINDOWS, CLERESTORY WINDOWS, ELECTRICAL AND MECHANICAL SYSTEMS TO BE DEMOLISHED. PROTECT EXISTING OPENINGS FOR NEW WORK
 - EXISTING FLOOR FINISH, GYP BOARD CEILING, KITCHEN EQUIPMENT, RAILINGS, CABINETS TO BE REMOVED. PROTECT AND RETURN EQUIPMENT TO DISTRICT
 - FOLDING PARTITIONS TO BE REMOVED
 - EXISTING PRE-FAB FREEZER TO BE DEMOLISHED
 - TRASH ENCLOSURE CMU WALLS, DOORS AND PAVING TO BE DEMOLISHED
 - A-WING BUILDING: SELECTIVE DEMOLITION OF PARTITION WALLS, DOORS, CARPET, COMPLETE RCP, REMOVE (2) WINDOWS
 - CONCRETE RAMP, STAIRS, RAILINGS AND WOOD RAILINGS BETWEEN COLS. TO BE DEMOLISHED
 - COVERED WALK TO BE DEMOLISHED, PATCH CONC. WALK S REQUIRED TO MATCH (E).
 - EXISTING COLUMN TO REMAIN, PRESERVE AND PROTECT
 - EXISTING ROOFING ASSEMBLY TO BE DEMOLISHED DOWN TO PLYWOOD SHEATHING, ROOF STRUCTURE TO REMAIN. EXISTING MECHANICAL & ELECTRICAL EQUIPMENT, CONDUIT AND CURBS TO BE DEMOLISHED.

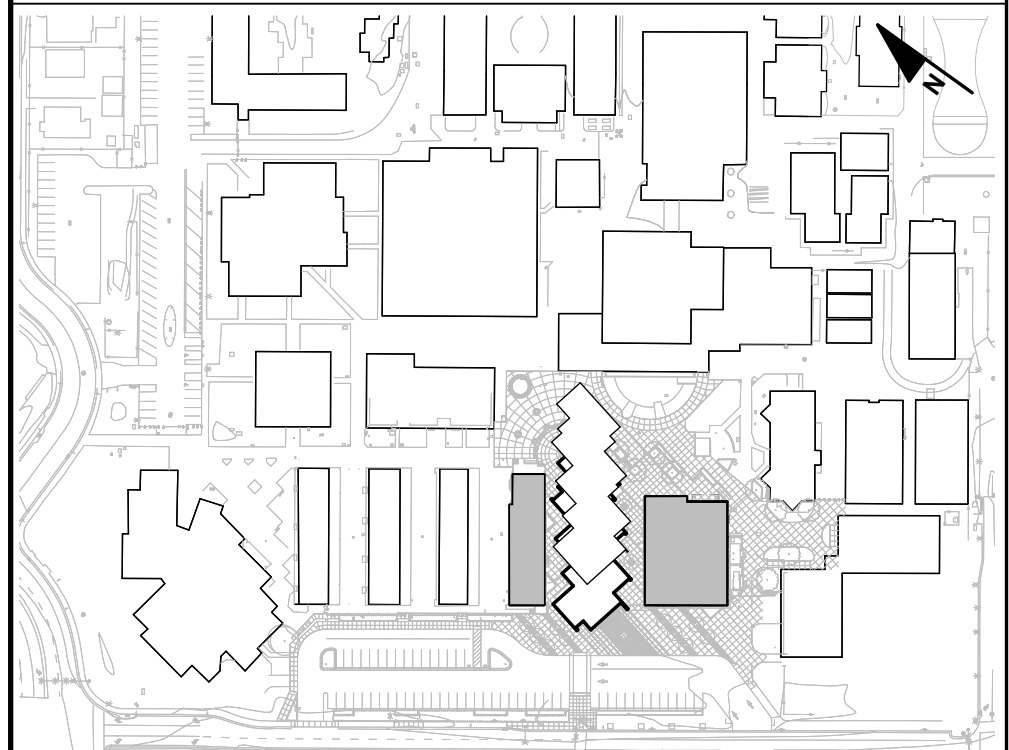
DEMOLITION PLAN GENERAL NOTES

- GENERAL:**
- COORDINATE ALL WORK WITH THAT SHOWN IN STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
 - SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR SITE DEMOLITION
 - DEMOLITION SHALL BE SUFFICIENT TO COMPLETE THE (N) WORK SHOWN IN THE DRAWINGS. NEATLY CUT AND REMOVE FINISHES AS REQUIRED TO A NATURAL POINT OF DIVISION TO ENABLE INSTALLATION OF BLOCKING, BACKING, FRAMING, SHEATHING, UTILITIES OR OTHER CONCEALED WORK, WHETHER SPECIFICALLY SHOWN OR INFERRED FOR (N) WORK. REFER TO OTHER DRAWINGS FOR CONCEALED WORK.
 - NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

DEMOLITION LEGEND

- EXISTING & DEMOLITION WORK:**
- (E) ITEM TO BE DEMOLISHED
 - (E) WALL AND ASSOCIATED WORK TO BE DEMOLISHED, PATCH & REPAIR FLOOR AS REQ
 - (E) ITEM TO REMAIN
 - (E) WALL TO REMAIN, PROTECT AND PRESERVE
 - (E) DOOR/FRAME TO BE DEMOLISHED, SEE NEW WORK FLOOR PLAN & DOOR SCHEDULE
 - AREA OF COMPLETE DEMOLITION, SEE KEYNOTE 1

KEYPLAN



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ADMINISTRATION & STUDENT COMMONS

850 2ND STREET
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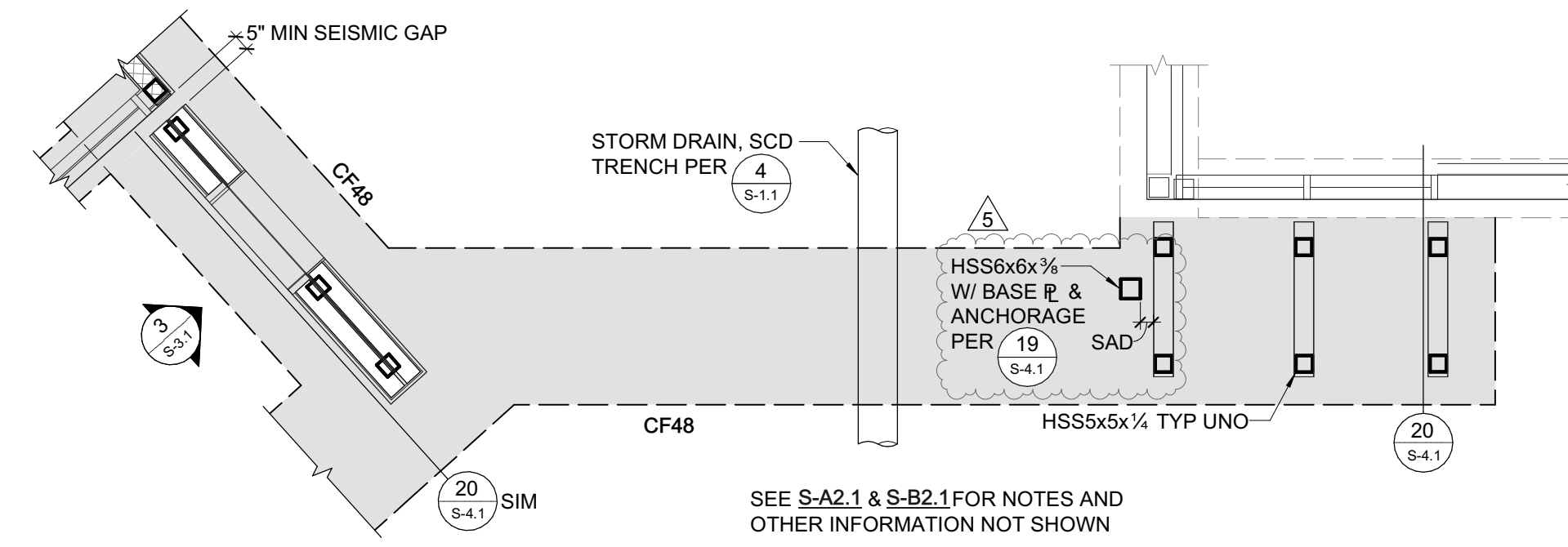
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5	1/7/21	ADD-05

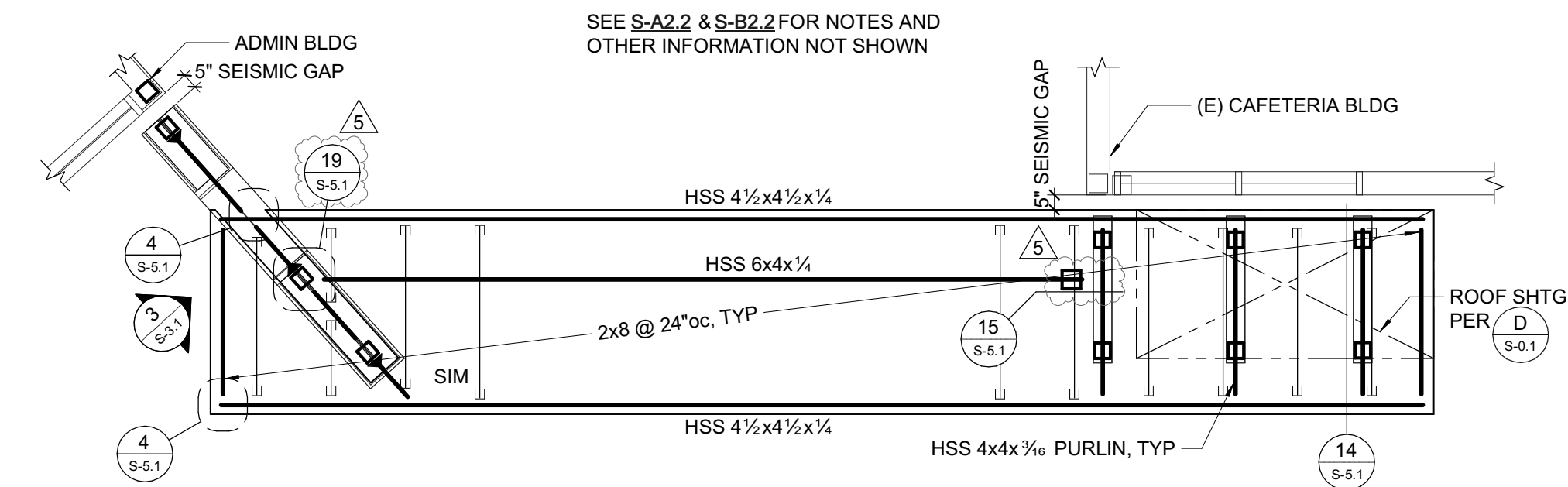
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PTN: 61721-75 FILE NO: 744

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DECEMBER 28, 2020
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CAFETERIA AND A-WING BUILDINGS DEMOLITION PLAN

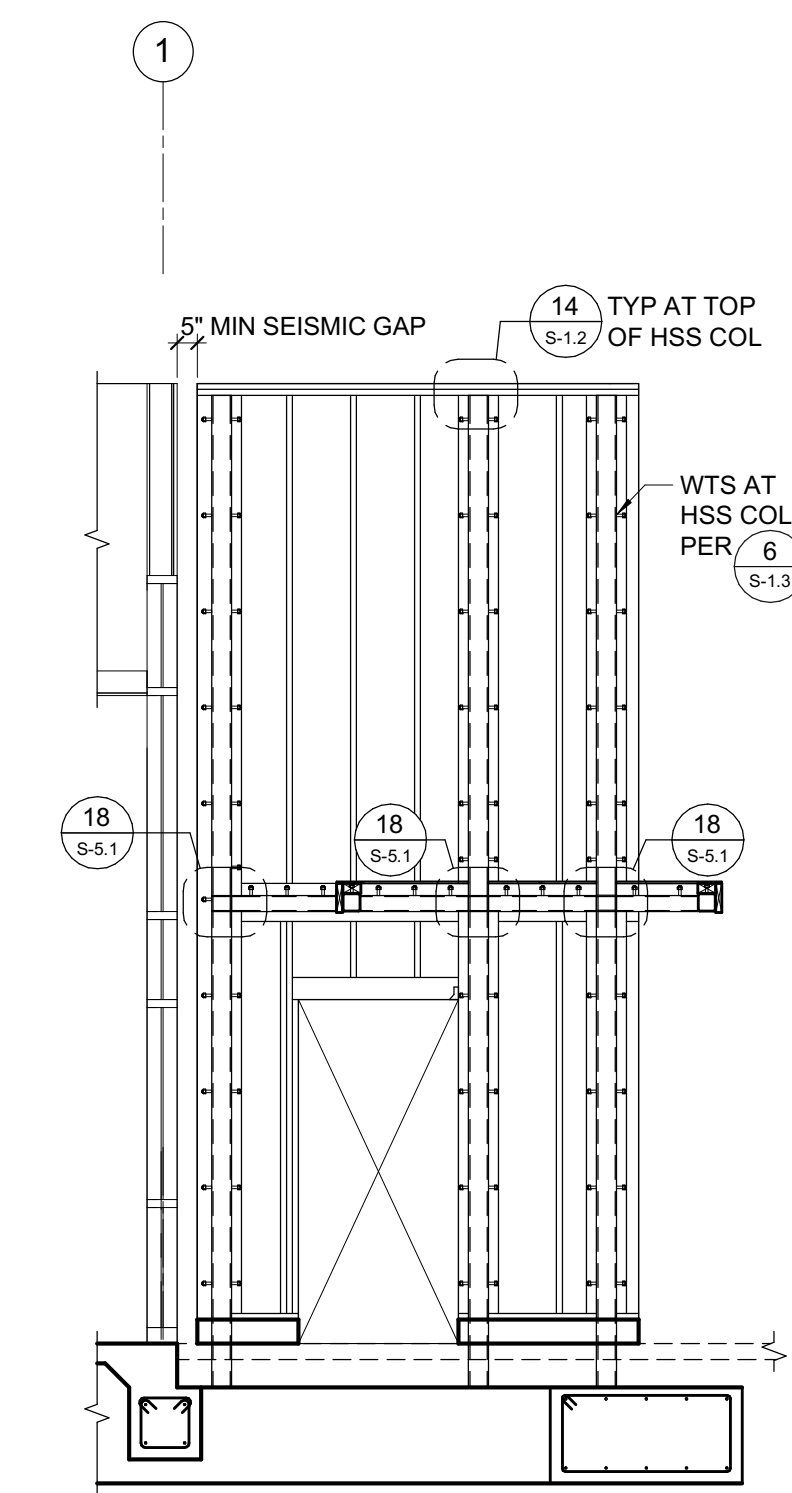
SHEET NUMBER
ADDENDUM 02
A-B2.0



1 ENTRY CANOPY - FOUNDATION PLAN
1/4" = 1'-0"



2 ENTRY CANOPY - ROOF FRAMING PLAN
1/4" = 1'-0"



3 ENTRY CANOPY - TALL WALL ELEVATION
1/4" = 1'-0"



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Santa Rosa, CA 95404 707.528.0992
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LIBERTY HIGH SCHOOL

ADMINISTRATION & STUDENT COMMONS

850 2nd Street
Brentwood CA 94513

LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS

ADD-02	12/18/20	
ADD-05	1/6/21	

DSA APP NO. 01-119033
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ENGR / PM: KPB / AIZ
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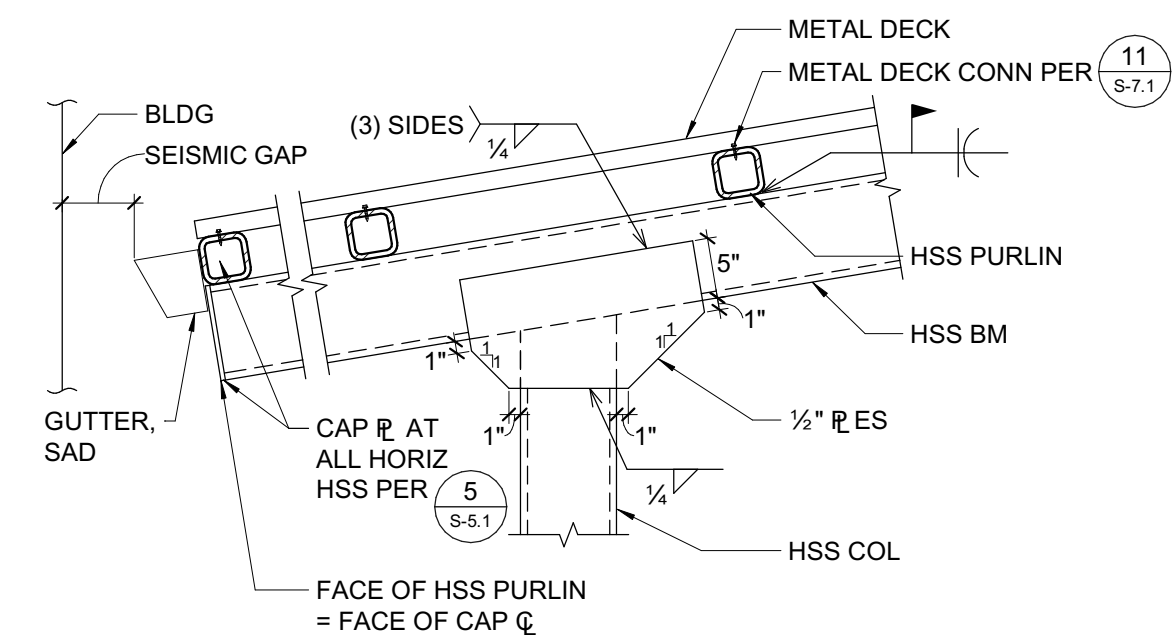
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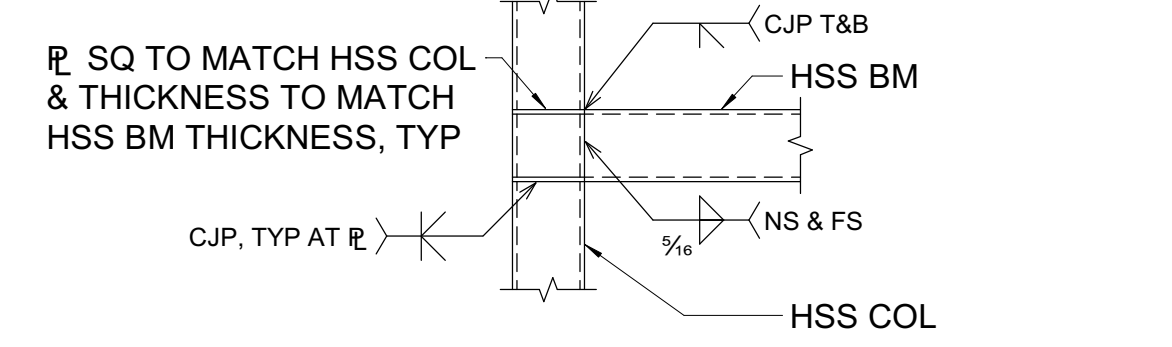
CANOPY PLANS

SHEET NUMBER

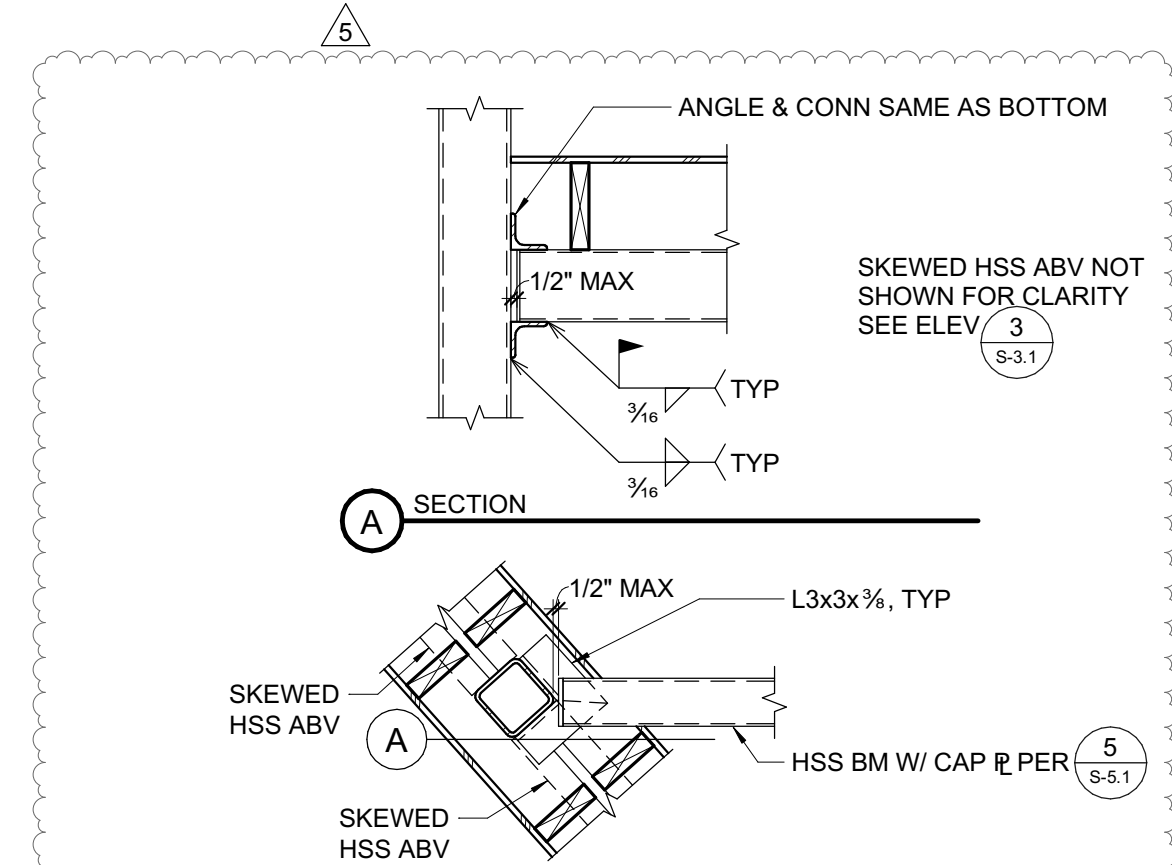
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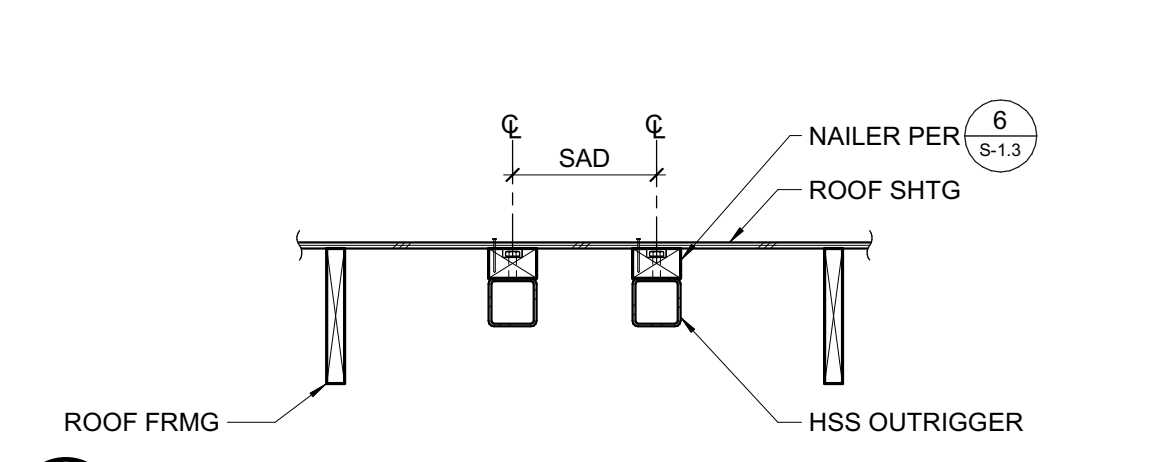
17 ENTRY CANOPY FRAMING CONNECTION
3/4" = 1'-0"



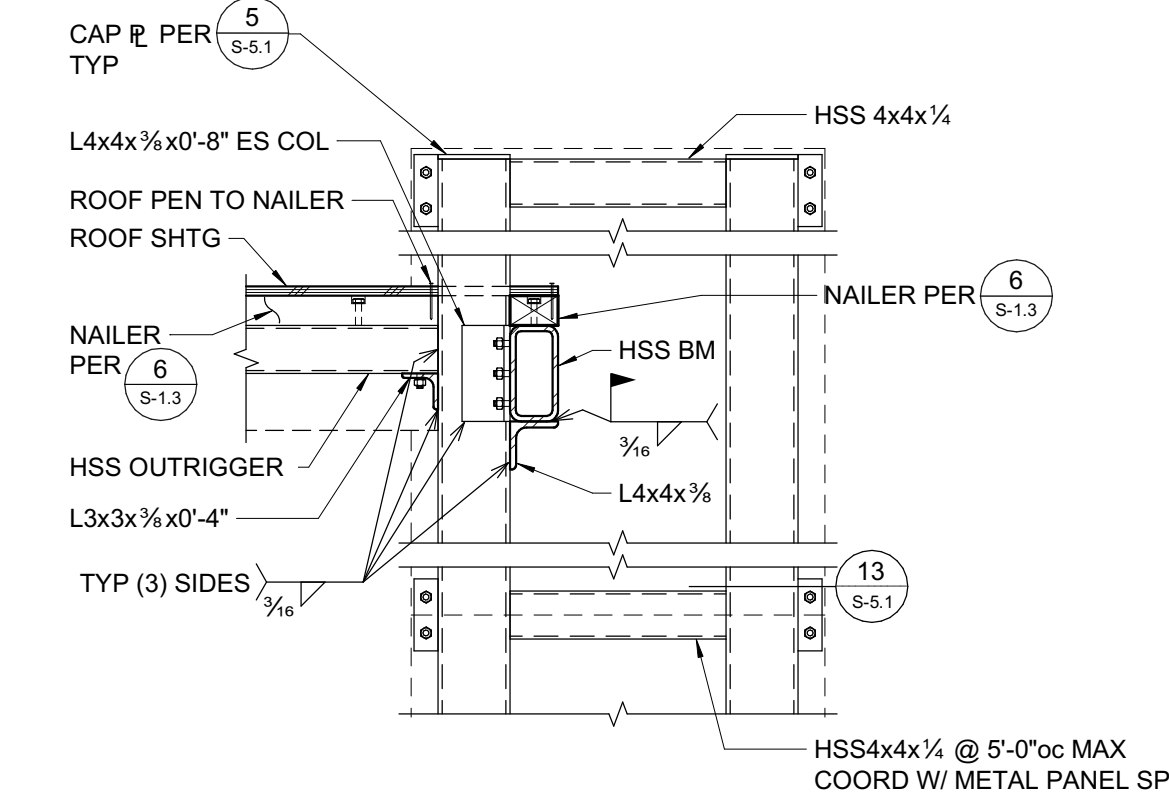
18 HSS TO HSS MOMENT CONNECTION
3/4" = 1'-0"



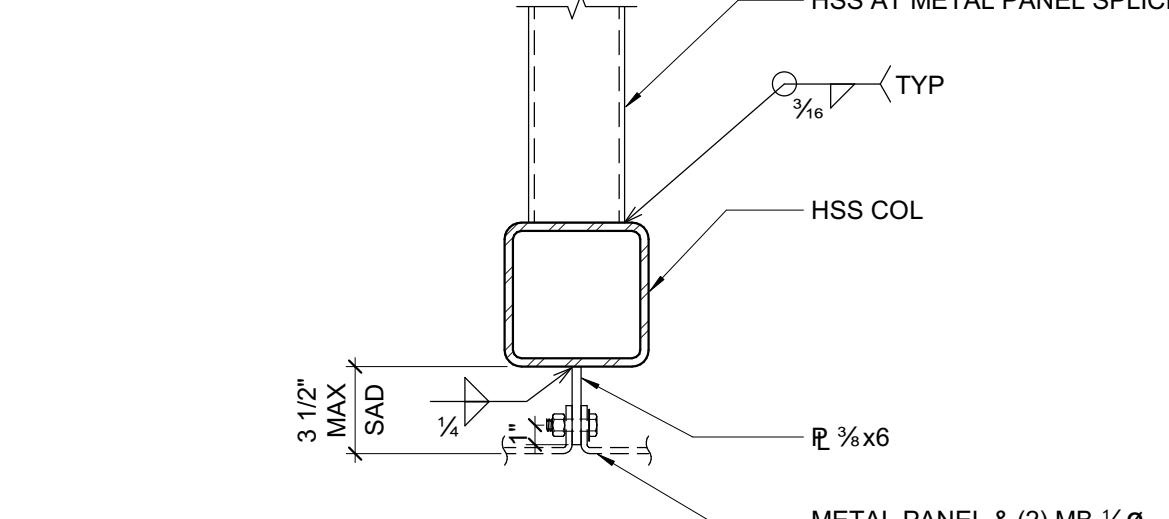
19 BEAM TO SKEWED COLUMN AT ENTRY CANOPY
3/4" = 1'-0"



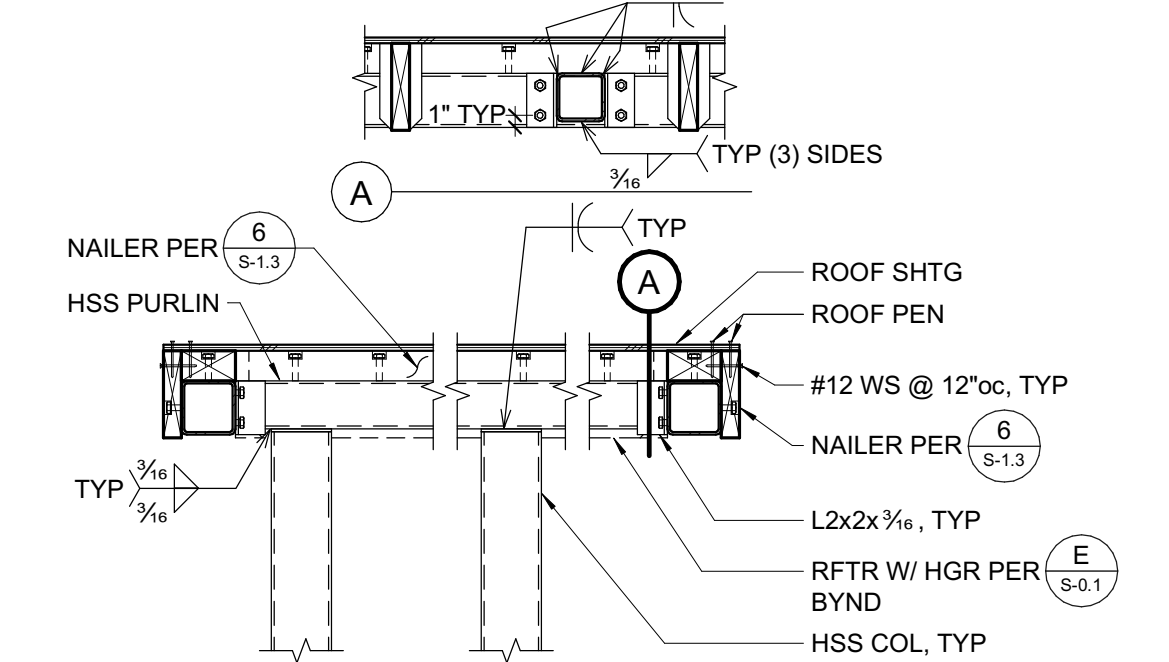
11 HSS OUTRIGGERS
3/4" = 1'-0"



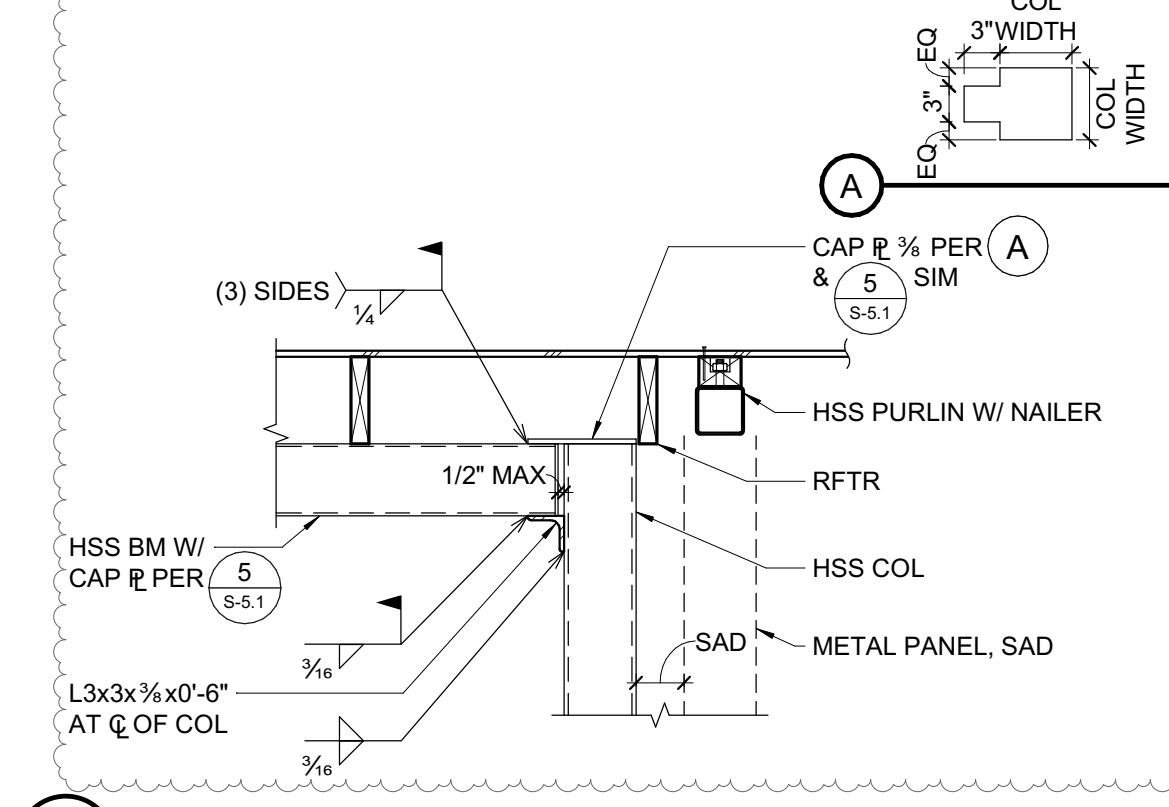
12 FIN CONNECTION AT ROOF
3/4" = 1'-0"



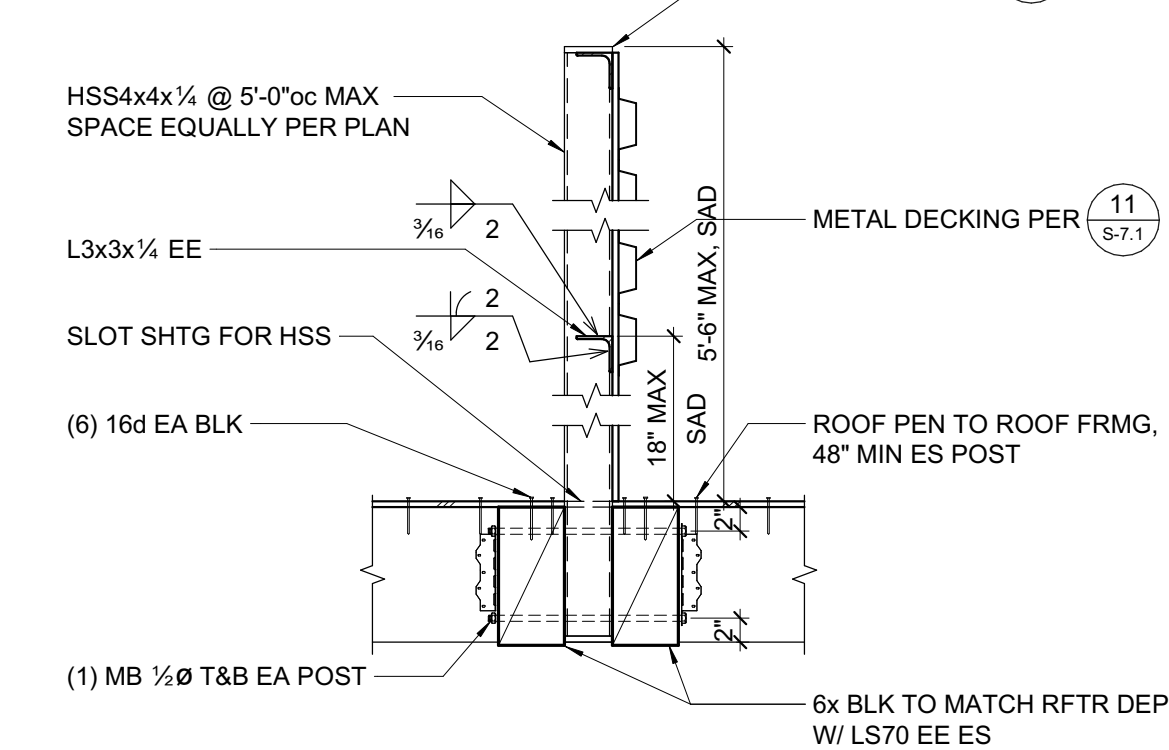
13 METAL PANEL TO HSS COLUMN
1 1/2" = 1'-0"



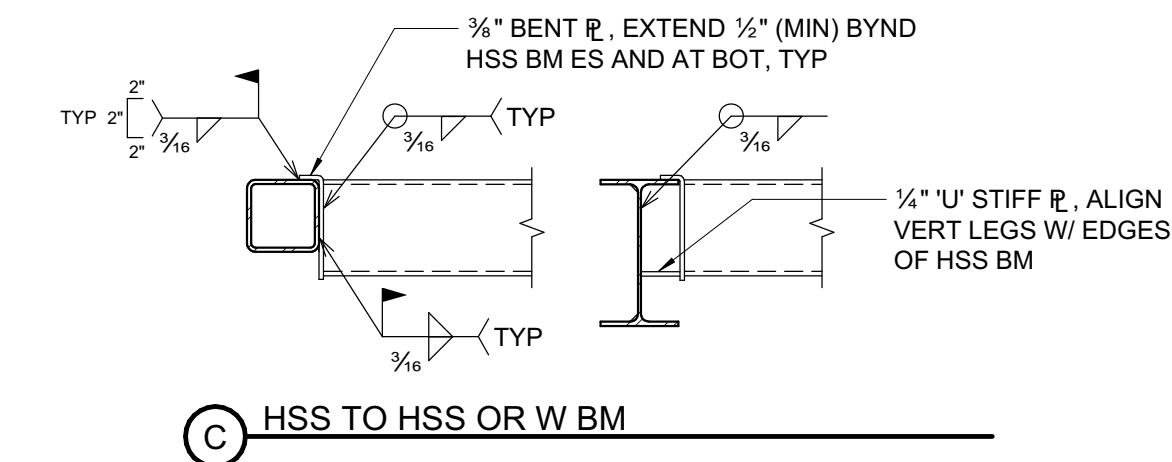
14 ENTRY CANOPY FRAMING CONNECTION
3/4" = 1'-0"



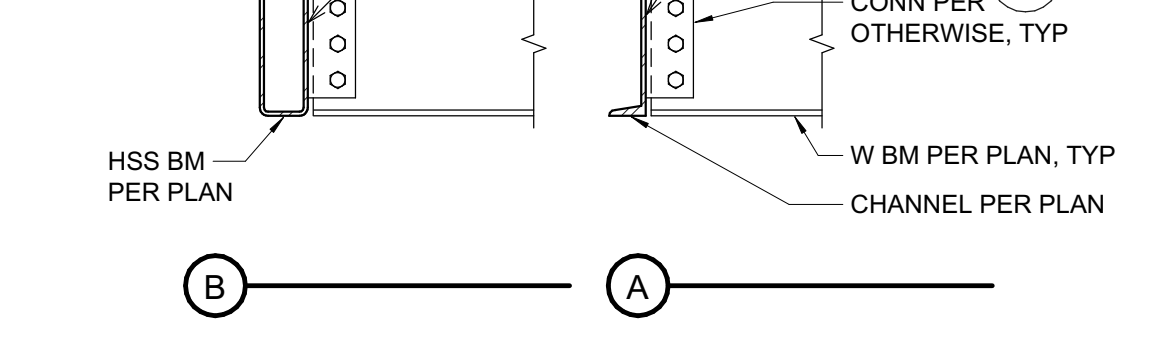
15 BEAM TO COLUMN AT ENTRY CANOPY
3/4" = 1'-0"



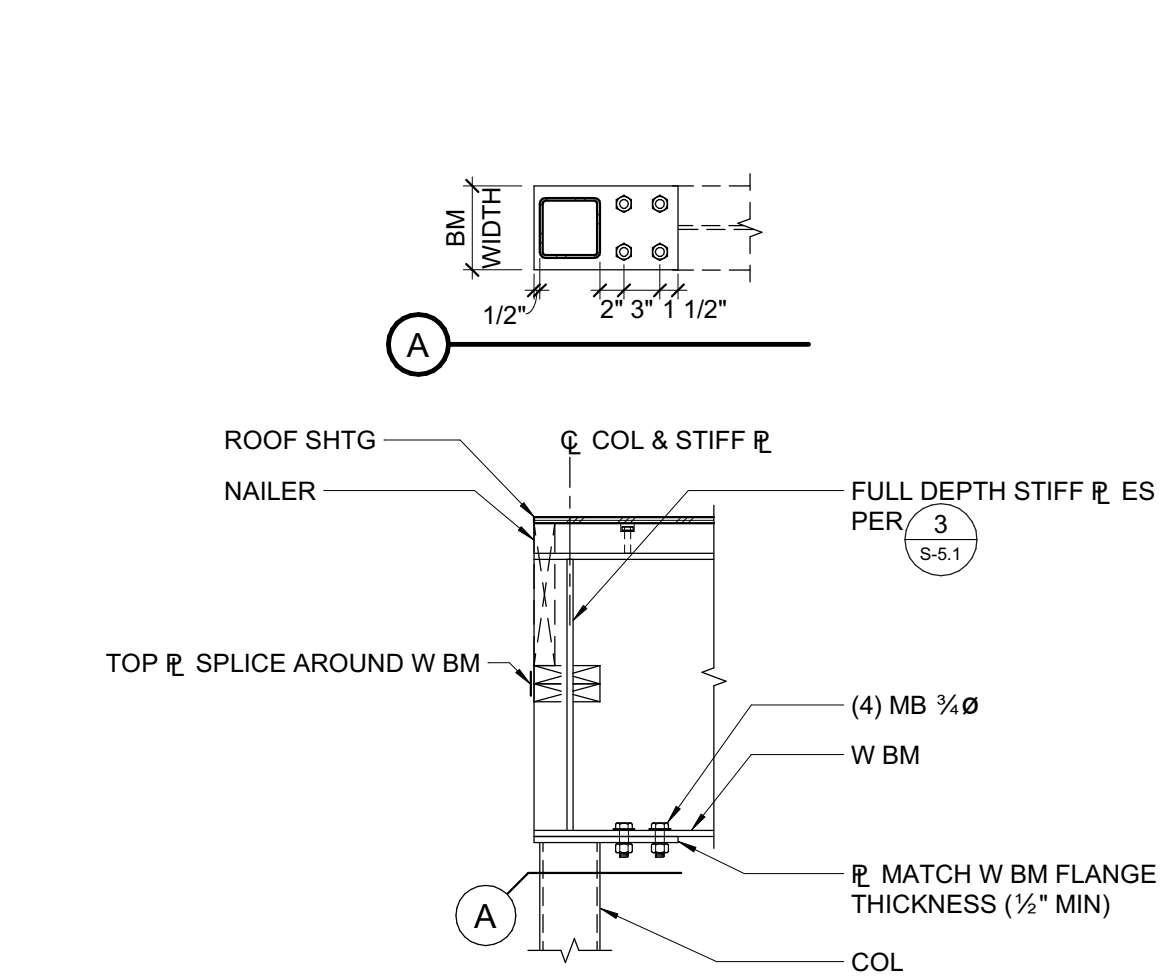
16 MECHANICAL SCREEN
3/4" = 1'-0"



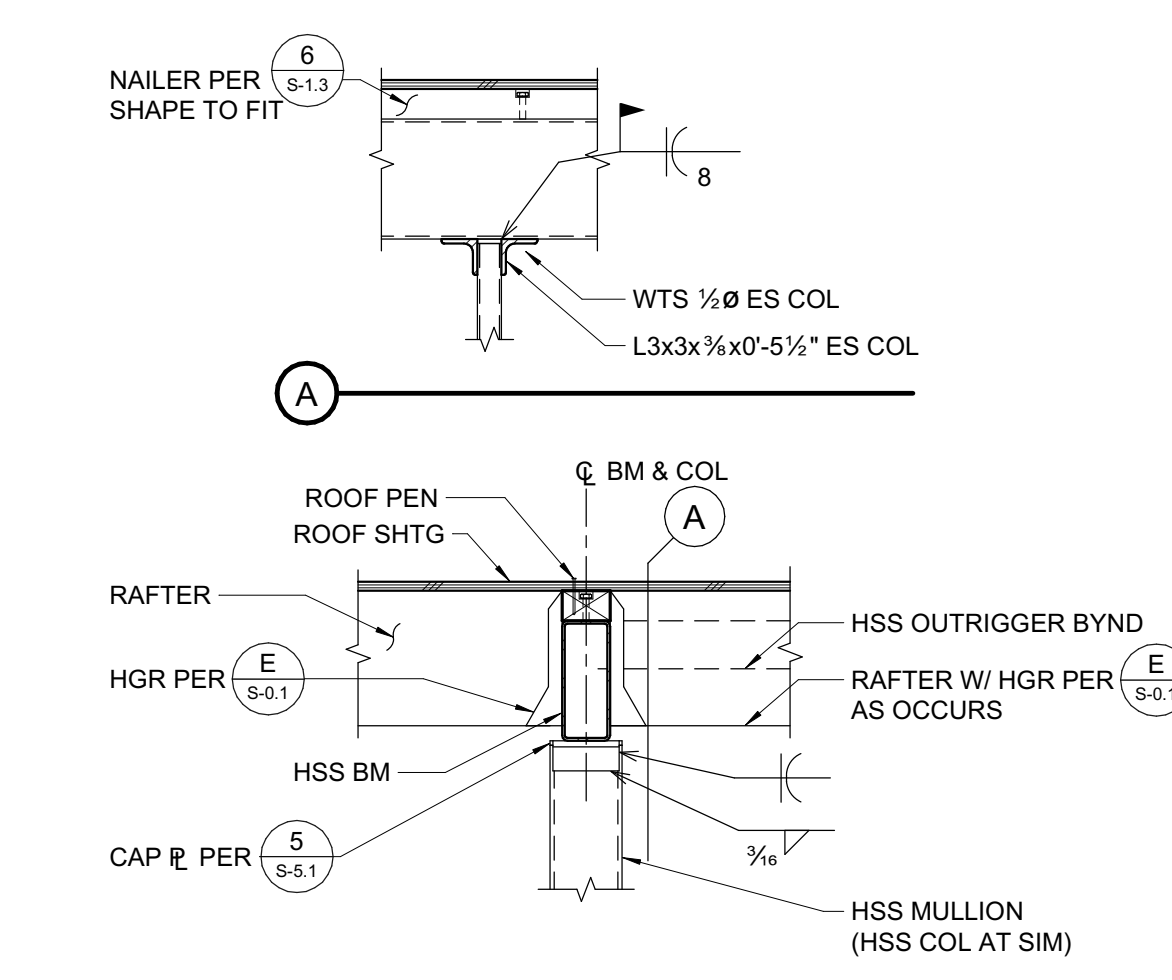
6 BEAM TO HSS OR C CHANNEL
3/4" = 1'-0"



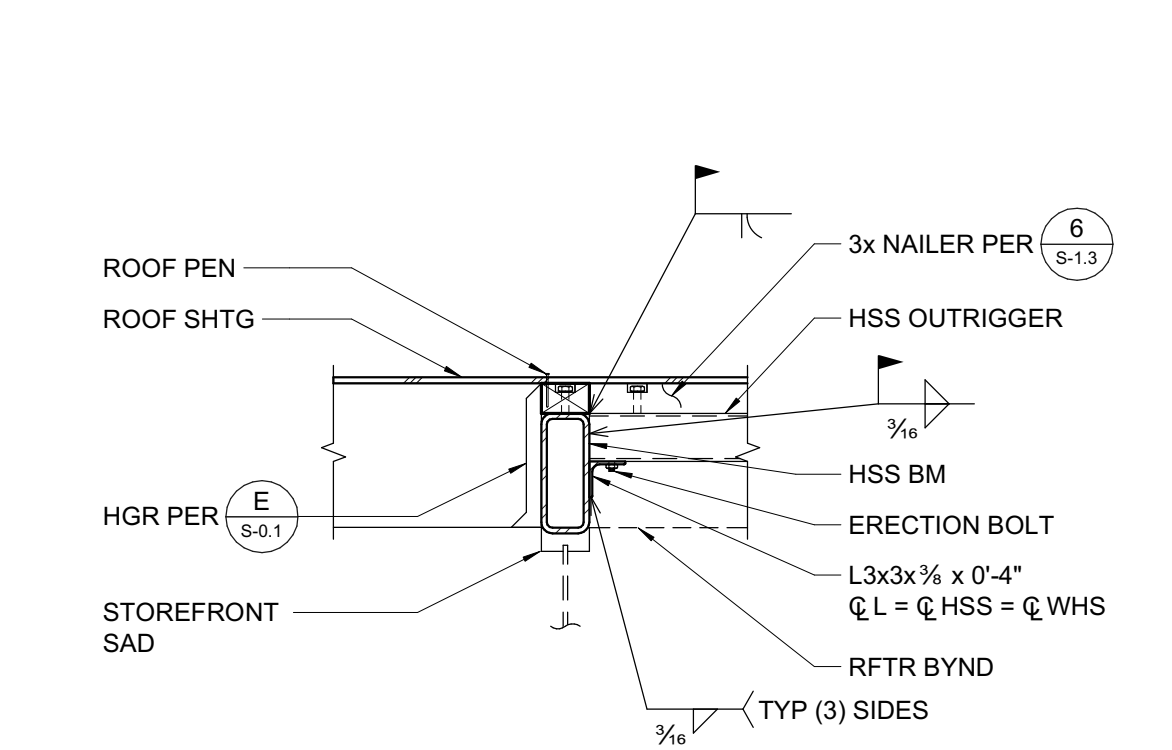
7 BEAM TO COLUMN CONNECTION
3/4" = 1'-0"



8 HSS MULLION TO HSS BEAM
3/4" = 1'-0"



9 HSS OUTRIGGER TO HSS BM
3/4" = 1'-0"

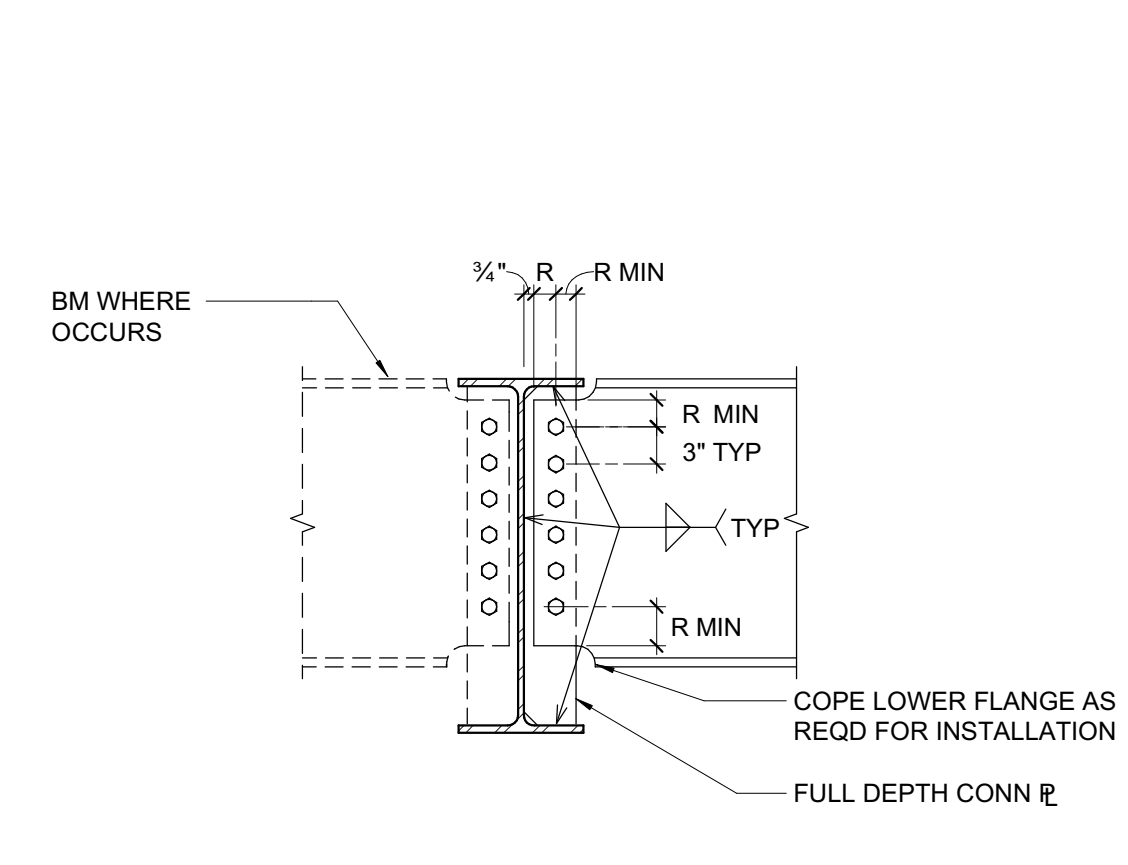


10 RAFTERS AT HSS BM
3/4" = 1'-0"

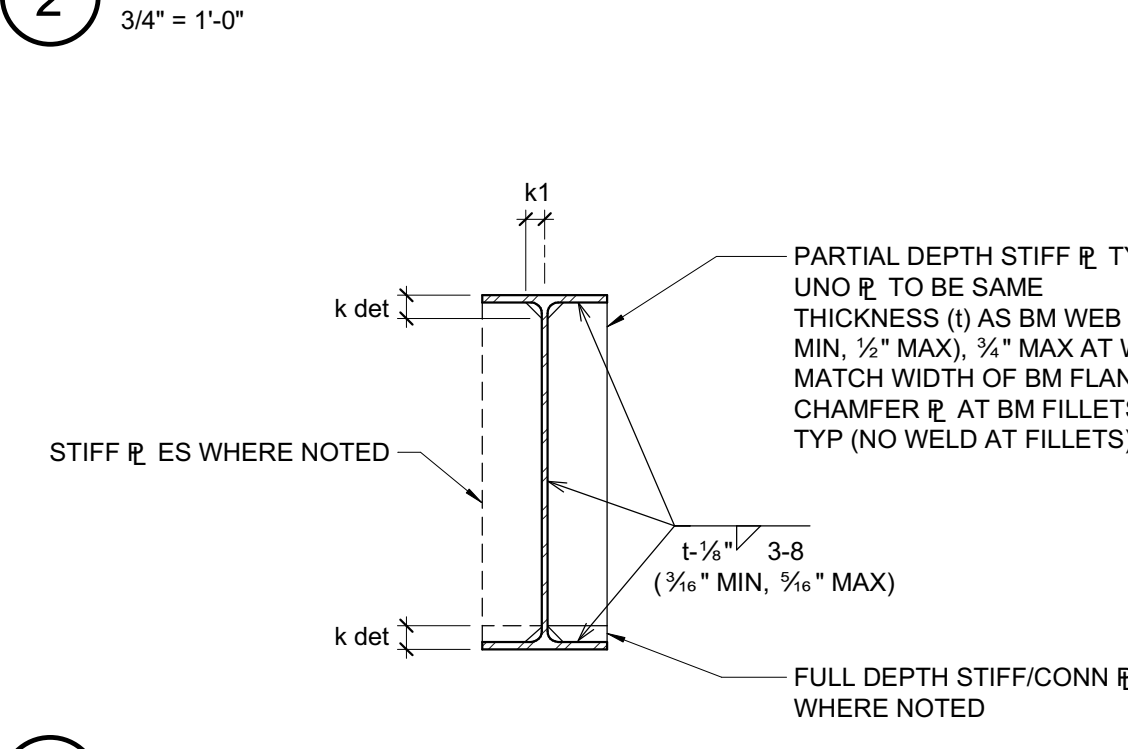
BEAM DEPTH	NO. BOLTS PER ROW	CONN PLATE	WELD SIZE
W8, W10	2	R 1/2	3/8"
W12, W14	3	R 3/4	3/8"
W16	4	R 1	3/8"
W18	5	R 1 1/4	3/8"
W21	6	R 1 1/2	3/8"
W24	6	R 1 1/2	3/8"
W27	7	R 1 1/2	3/8"

- NOTES:
- R = 1 1/2" SEE TYP CONNECTION DETAILS. BOLT SPACING AND EDGE DISTANCE SHALL CONFORM TO AISC SPECIFICATIONS.
 - A COMPLETE PENETRATION BEVEL WELD MAY BE SUBSTITUTED FOR THE FILLET WELDS SPECIFIED.
 - USE ASTM A36 CONNECTION PLATES, UNO.
 - HOLE SIZE = BOLT SIZE + 1/16".
 - USE SAME CONNECTIONS AT CHANNELS. FOR W6, C6 & ANGLES USE PLATE, WELD & BOLT SIZE PER WB.

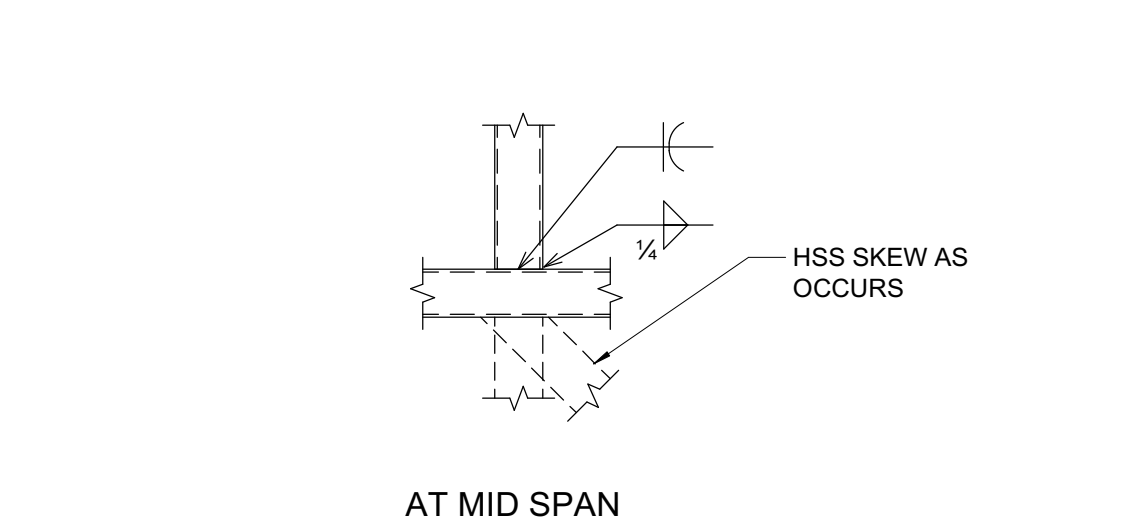
1 3/4" MACHINE BOLT (MB) CONNECTION SCHEDULE
3/4" = 1'-0"



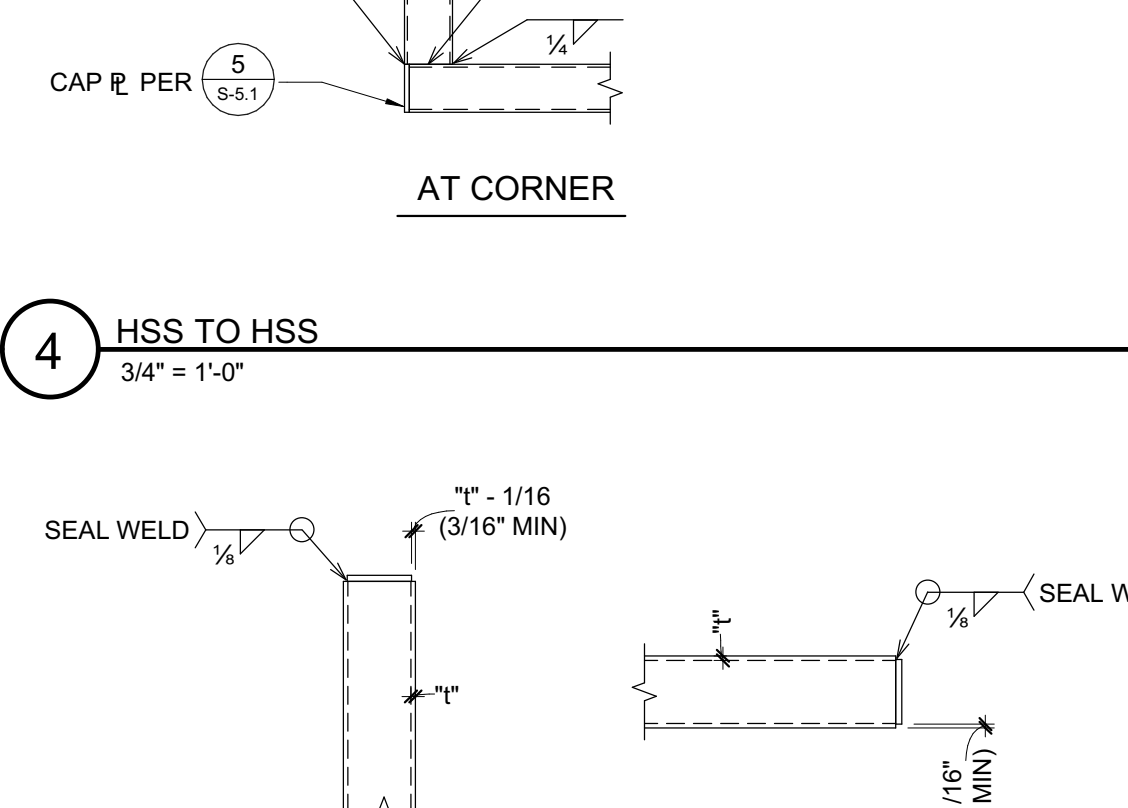
2 TYPICAL FULL DEPTH BEAM TO BEAM CONNECTION
3/4" = 1'-0"



3 TYPICAL BEAM WEB STIFFENER PLATE DETAIL
3/4" = 1'-0"



4 HSS TO HSS
3/4" = 1'-0"



5 TYPICAL CAP PLATE
3/4" = 1'-0"

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ADMINISTRATION & STUDENT COMMONS

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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS

NO.	DATE	DESCRIPTION
1	12/18/20	ADD-02
2	1/6/21	ADD-05

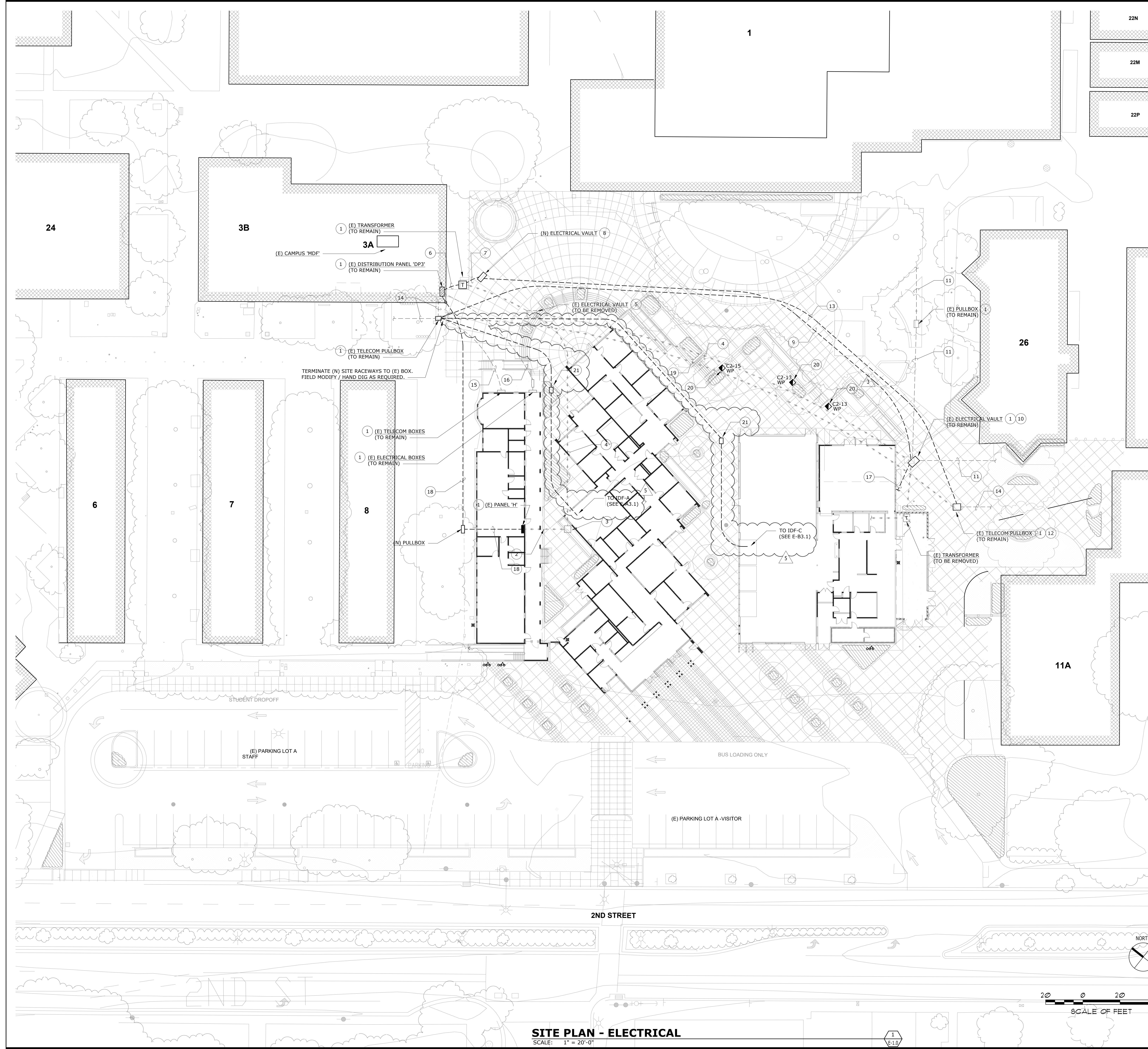
DSA APP NO. 01-119033
 ARCH PROJECT NO: 1783.00
 ENGR / PM: KPB / AIZ
 DRAWING SCALE: As indicated
 PTN: 61721-75 FILE NO: 7.44

CD
 DECEMBER 2, 2020
 SHEET TITLE

STEEL DETAILS

SHEET NUMBER

S-5.1



NUMBERED SHEET NOTES

- 1 (E) EQUIPMENT, VAULT, OR UNDERGROUND LINES TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 2 (E) POWER FEEDER INTO BUILDING TO (E) PANEL 'H'. DISCONNECT AND REMOVE. PANEL 'H' TO REMAIN AND BE RECONNECTED WITH A NEW FEEDER FROM (E) DISTRIBUTION PANEL 'DP3'. SEE NOTE 18.
- 3 (E) IN-GROUND POWER VAULT TO BE REMOVED. DISCONNECT AND REMOVE (E) PANEL 'H' FEEDER RUNNING THROUGH BOX, BACK TO SOURCE AND LOAD.
- 4 (E) UNDERGROUND PANEL 'H' FEEDER TO BE REMOVED BETWEEN (E) DISTRIBUTION PANEL 'DP3' AND (E) PANEL 'H'.
- 5 (E) IN-GROUND POWER VAULT TO BE REMOVED. DISCONNECT AND REMOVE (E) POWER FEEDERS FOR (E) DISTRIBUTION PANEL 'DP3' AND (E) PANEL 'H', RUNNING THROUGH BOX.
- 6 (E) 208V FEEDER FROM TRANSFORMER TO PANEL 'DP3' TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 7 PROVIDE AND INSTALL (N) TRANSFORMER FEEDER FROM PRIMARY SIDE OF (E) TRANSFORMER TO SPLICE POINT AT SOUTH SIDE OF WORK AREA (NOTE 10).
- 8 PROVIDE AND INSTALL (N) FLUSH IN-GROUND POWER VAULT (3'x5') WITH STEEL LID LABELED "POWER". COORDINATE EXACT LOCATION WITH NEW HARDSCAPE DESIGN AND ORIENT PARALLEL AND PERPENDICULAR TO NEW HARDSCAPE LINES AND FEATURES.
- 9 PROVIDE AND INSTALL NEW 4" UNDERGROUND SCHEDULE 40 PVC TRANSFORMER PRIMARY SIDE FEEDER - (3)#500 KCMIL + (1)#26 - THROUGH (N) HARDSCAPE AREA, FROM PRIMARY SIDE OF (E) TRANSFORMER TO SPLICE POINT AT SOUTH SIDE OF WORK AREA (NOTE 10). RECONNECT TRANSFORMER COMPLETE.
- 10 INTERCEPT (E) TRANSFORMER FEEDER FOR PANEL 'DP3' AT THIS PULLBOX AND SPLICE (E) 500 KCMIL CONDUCTORS FOR EXTENSION OF NEW AS SHOWN (SEE NOTE 9). UTILIZE LONG BARREL HIGH COMPRESSION BUT SPLICES AND 3M COLD SHRINK INSULATION FOR SPLICING OF EACH PHASE CONDUCTOR AND GROUND, FOR A COMPLETELY WATER-TIGHT SPLICE.
- 11 (E) UNDERGROUND ELECTRICAL FEEDERS TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 12 INTERCEPT (E) TELECOM FEEDERS AT THIS PULLBOX AND SPLICE FOR EXTENSION OF NEW AS SHOWN, WITH COMPLETELY WATER-TIGHT FIBER AND COPPER SPLICE CASES IN (E) VAULT.
- 13 PROVIDE AND INSTALL (N) COPPER AND FIBER TELECOM FEEDERS TO REPLACE (E) LINES THROUGH (N) HARDSCAPE AREA, FROM TELECOM BOXES AT NORTH AND SOUTH SIDES OF WORK AREA.
- 14 (E) TELECOM FEEDERS TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 15 (E) TELECOM FEEDERS TO BUILDING A TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 16 (E) POWER WIRING TO REMAIN. FIELD SURVEY EXACT LOCATION, IDENTIFY, AND PROTECT IN PLACE DURING CONSTRUCTION.
- 17 PROVIDE AND INSTALL NEW UNDERGROUND FEEDER TO (N) TRANSFORMER, FED FROM (E) 480V SERVICE PANEL TO THE SOUTH.
- 18 PROVIDE AND INSTALL NEW 3" UNDERGROUND SCHEDULE 40 PVC PANEL 'H' FEEDER - (4)#350 KCMIL + (1)#4G - THROUGH (N) HARDSCAPE AREA, FROM (E) DISTRIBUTION PANEL 'DP3' TO (E) PANEL 'H'. RECONNECT PANEL COMPLETE.
- 19 (E) UNDERGROUND TELECOM FEEDERS TO BE REMOVED BETWEEN (E) PULL BOXES SHOWN. FIELD IDENTIFY EACH CONDUCTOR / CABLE, TAG, AND SPLICE (N) PER NOTE 13.
- 20 LOW PROFILE CUSTOM TUBE STEEL POWER PEDESTAL. SEE 2/E-5.3.
- 21 PROVIDE AND INSTALL (N) FLUSH IN-GROUND COMM PULLBOX (CHRISTY #N36 OR EQUAL) WITH STEEL LID LABELED "COMMUNICATIONS". COORDINATE EXACT LOCATION WITH NEW HARDSCAPE DESIGN AND ORIENT PARALLEL AND PERPENDICULAR TO NEW HARDSCAPE LINES AND FEATURES.

GENERAL SITE NOTES

ALL CONDUIT ROUTING SHOWN ON THIS PLAN IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY ALL (E) UNDERGROUND CONDITIONS IN THE AREA OF WORK, PRIOR TO DIGGING. MAINTAIN A MINIMUM LATERAL CLEARANCE FROM ALL NEW AND EXISTING TREES. REFER TO PLANTING PLAN L4.1 AND TREE PRESERVATION STANDARDS ON L4.1. INSTALL ALL (N) WORK TO BEST ACCOMMODATE (E) AND (N) OBSTRUCTIONS, INCLUDING BIO-RETENTION AREAS.

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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS

3	12/21/20	ADDENDUM 03
5	01/05/21	ADDENDUM 05

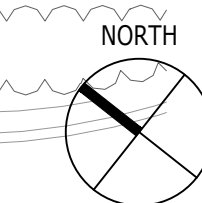
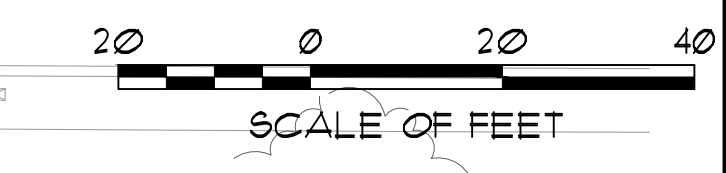
DSA APP NO. 01-119033
 ARCH PROJECT NO. 1783.00
 DRAWN BY: LN
 DRAWING SCALE: AS NOTED
 P/N: 61721-75 FILE NO: 7-44

CD
 DECEMBER 2, 2020
 SHEET TITLE

SITE PLAN - ELECTRICAL

SHEET NUMBER
E-1.0

SITE PLAN - ELECTRICAL
 SCALE: 1" = 20'-0"



PANEL C1. Main Brkr: MAIN LUG ONLY. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 42 KAIC. Includes load description table and demand load summary.

PANEL A2 (SECTION 1 - RIGHT HAND SIDE). Main Brkr: MLO. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL A. Main Brkr: MAIN LUG ONLY. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 22 KAIC. Includes load description table and demand load summary.

PANEL C2. Main Brkr: 225A MCB. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 42K AIC. Includes load description table and demand load summary.

PANEL A2 (SECTION 2 - LEFT HAND SIDE). Main Brkr: SUB FED, FEED THRU LUGS. Feeder: SEE SINGLE LINE. Conduit: SURFACE. Mounted: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL A1 (SECTION 1 - RIGHT HAND SIDE). Main Brkr: MLO. Feeder: SEE SINGLE LINE. Conduit: SURFACE. Mounted: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.

PANEL B2. Main Brkr: MAIN LUG ONLY. Feeder: SEE SINGLE LINE. Conduit: SEE SINGLE LINE. Mounted: SURFACE. AIC Rating: 22 KAIC. Includes load description table and demand load summary.

PANEL A1 (SECTION 2 - LEFT HAND SIDE). Main Brkr: SUB FED, FEED THRU LUGS. Feeder: SEE SINGLE LINE. Conduit: SURFACE. Mounted: SURFACE. AIC Rating: 22K. Includes load description table and demand load summary.



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REVISIONS table with columns for revision number, date, and description. Includes entries for ADDENDUM 03 and ADDENDUM 05.

ARCH PROJECT NO: 1783.00

DRAWN BY: LN

DRAWING SCALE: AS NOTED

PTN: 61721-75 FILE NO: 7-H4

CD

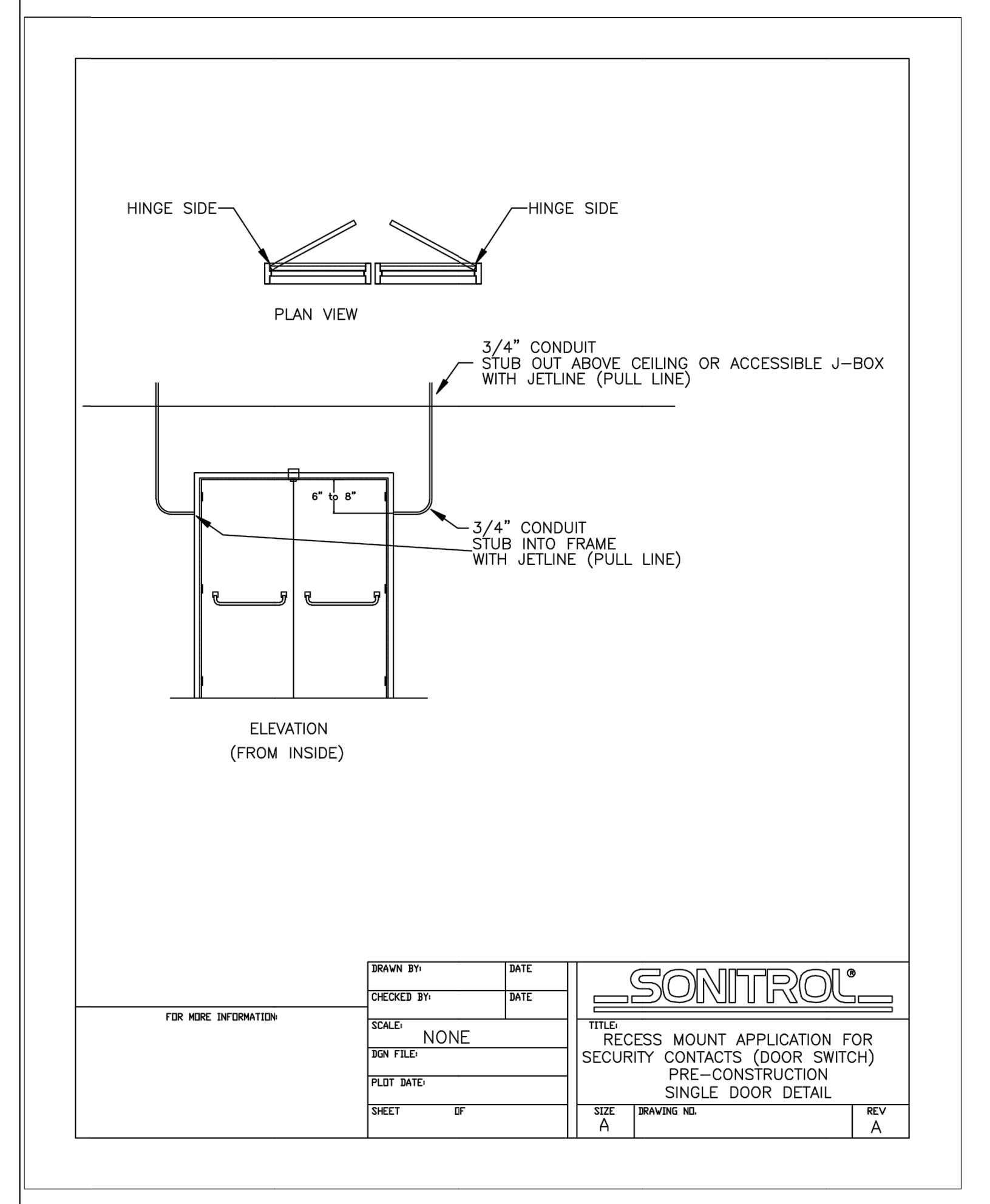
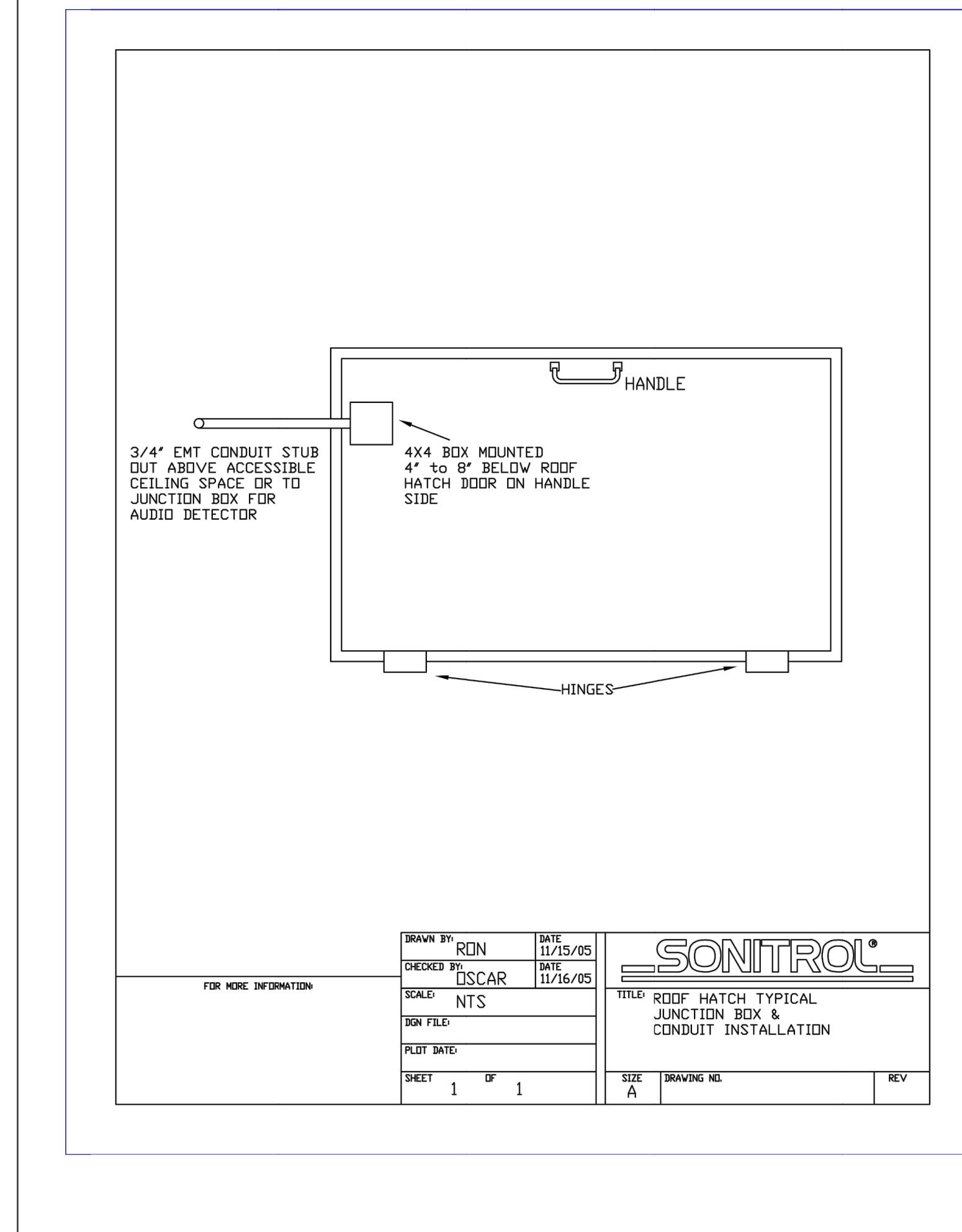
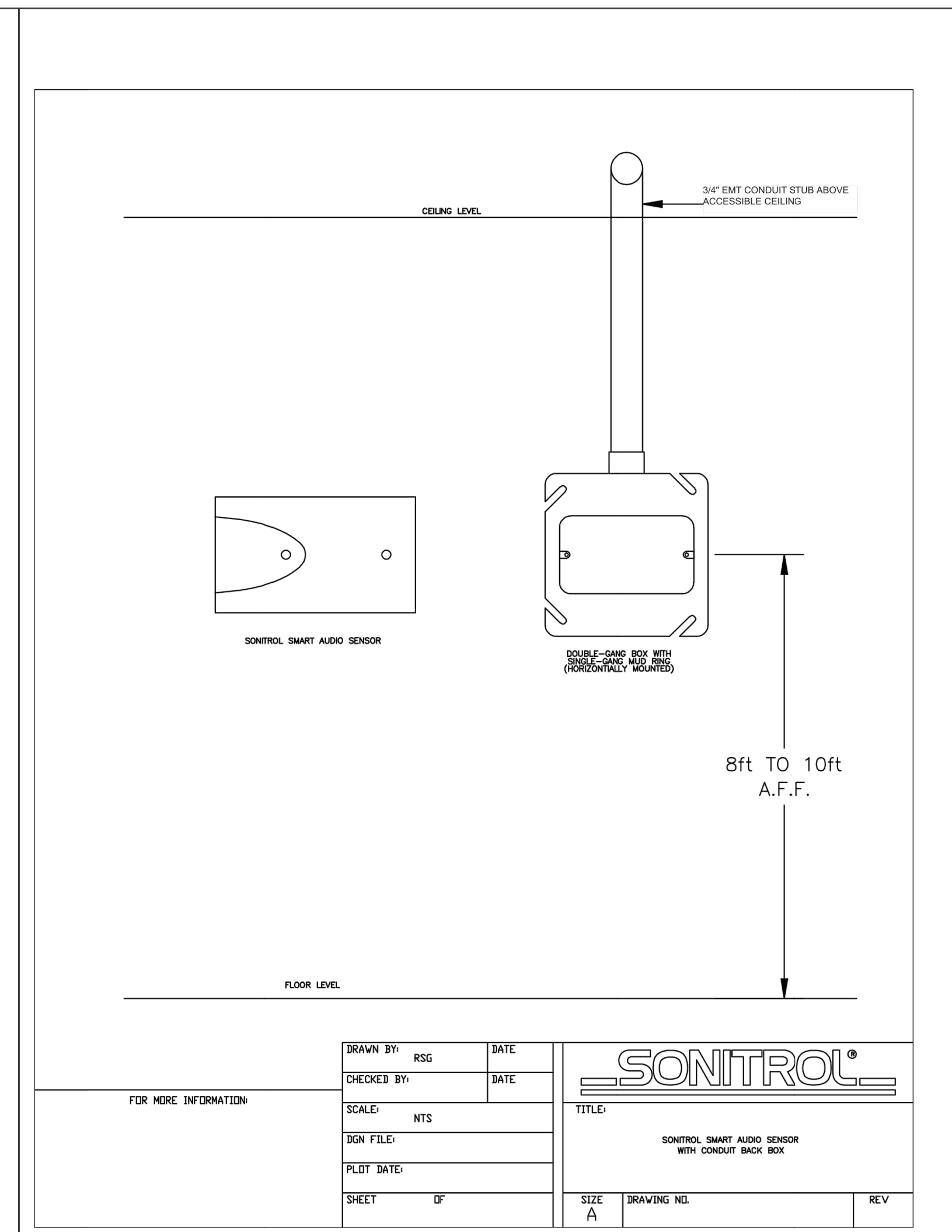
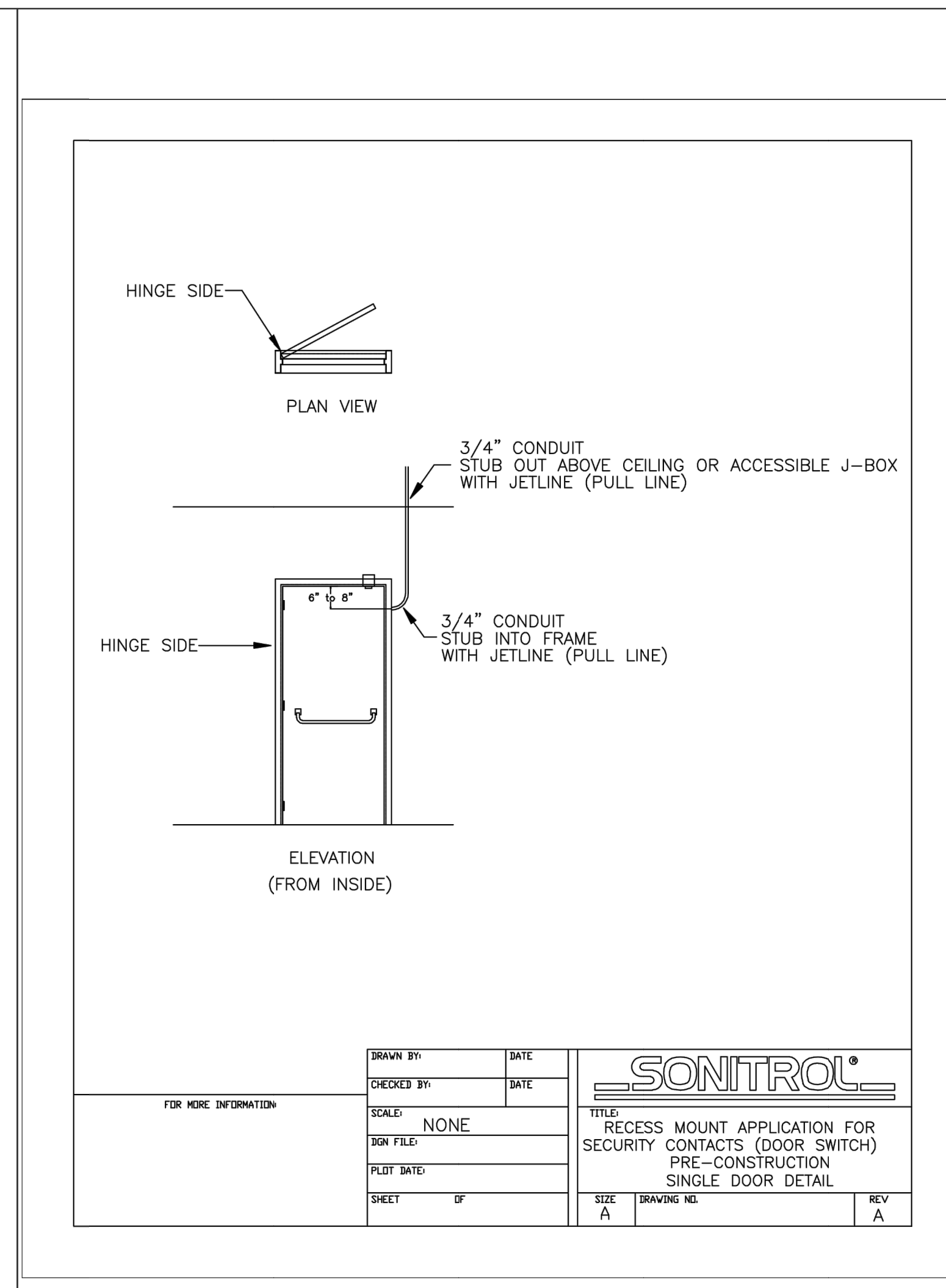
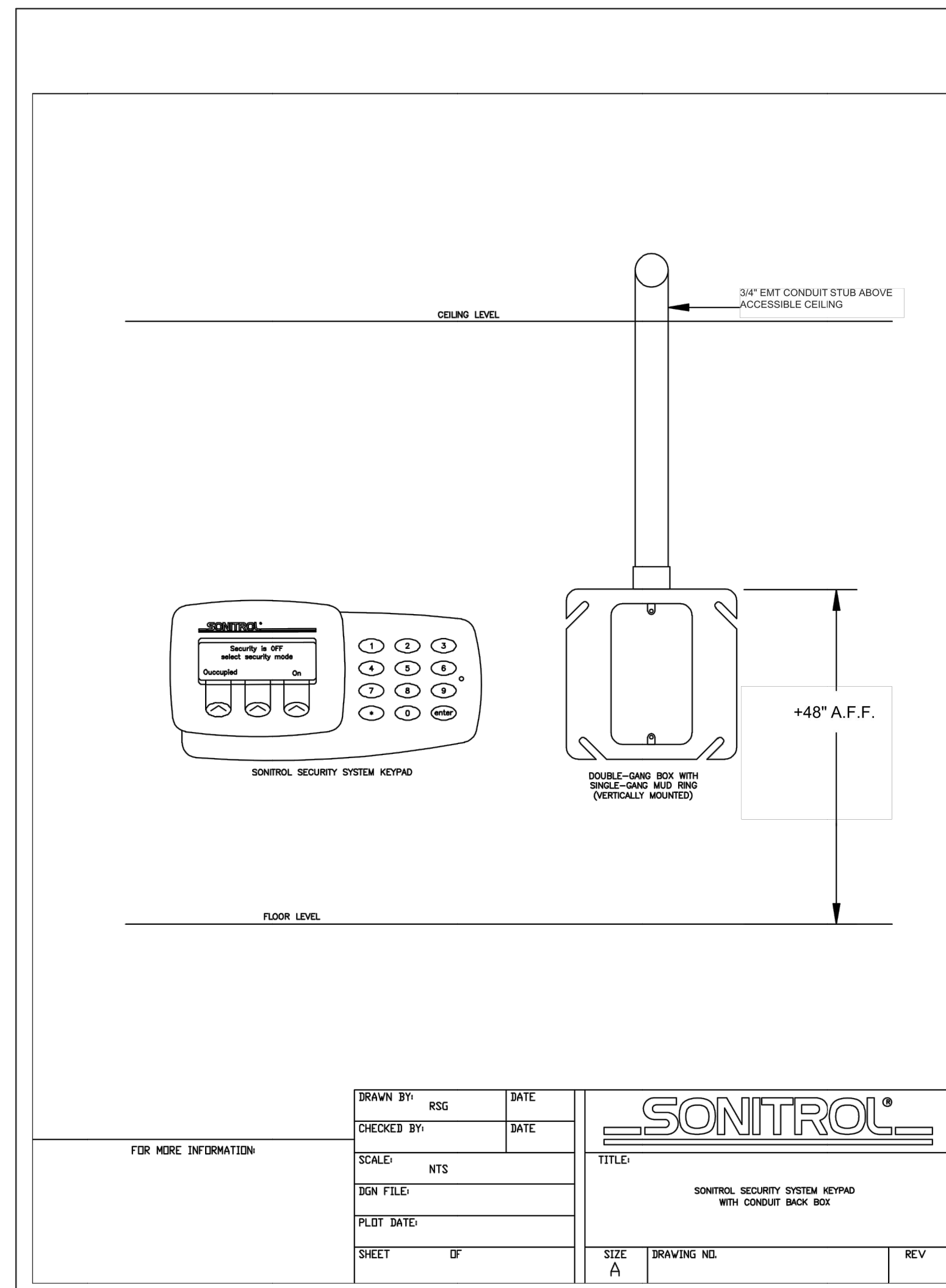
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SHEET TITLE

PANEL SCHEDULES

SHEET NUMBER

E-6.1



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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS		
3	12/21/20	ADDENDUM 03
5	01/05/21	ADDENDUM 05

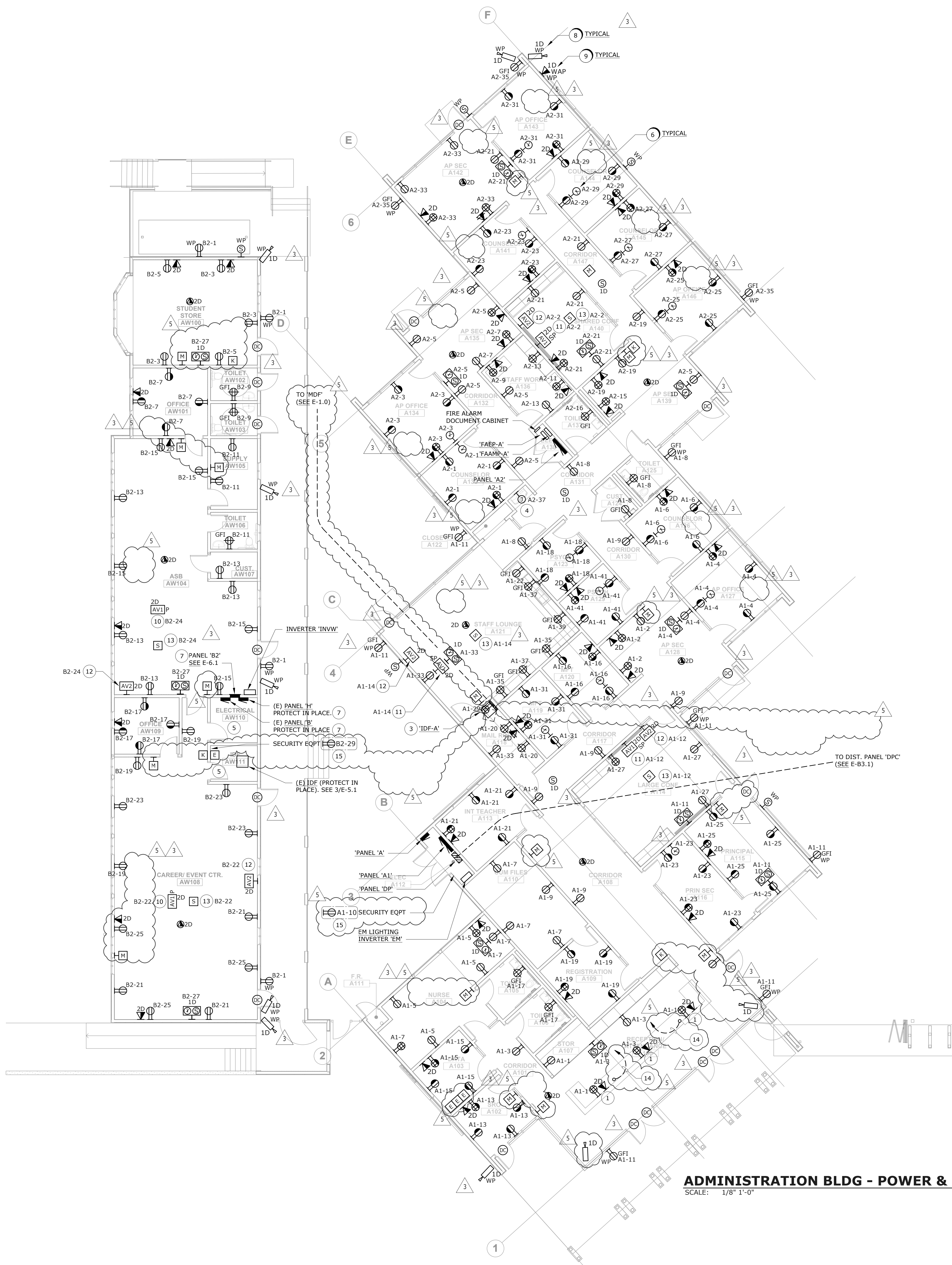
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SHEET TITLE

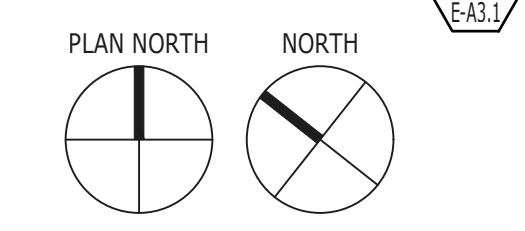
DETAILS

SHEET NUMBER
E-7.4



ADMINISTRATION BLDG - POWER & SIGNAL

SCALE: 1/8" = 1'-0"



NUMBERED SHEET NOTES

- 1 FLUSH MOUNTED IN CUSTOM CASEWORK S.A.D. FOR EXACT LOCATIONS.
- 2 NOT USED.
- 3 'IDF-A', WALL MOUNTED, FLOOR SUPPORTED ON CASTERS, SWING-OUT STYLE; 6'H x 30"D (19" RACK FRAME).
- 4 DRINKING FOUNTAIN WITH COOLER.
- 5 PROTECT IN PLACE ALL (E) EQUIPMENT.
- 6 FOR ALL CLOCKS PROVIDE 120V CIRCUIT.
- 7 IN PANEL 'H', REPLACE (E) 90A BREAKER WHICH SUB-FEEDS (E) PANEL 'B' WITH 100A BREAKER. SUB FEED PANEL 'B2' WITH THIS NEW 100A BREAKER. SUB-FEED (E) PANEL 'B' FROM PANEL 'B2'. SEE PANEL SCHEDULE ON E-6.1.
- 8 PROVIDE RED CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED IP SECURITY CAMERA TO BE POLE MOUNTED ON INTERIOR SIDE OF PARAPET. COORDINATE EXACT ROUGH-IN LOCATION WITH SECURITY CAMERA INSTALLER PRIOR TO ROUGH-IN.
- 9 PROVIDE YELLOW CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED EXTERIOR WI-FI ACCESS POINT. COORDINATE EXACT ROUGH-IN LOCATION WITH DISTRICT PRIOR TO ROUGH-IN.
- 10 AV1 'P': PROVIDE SURFACE MOUNT DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV PASS THRU CABLING WHIPS, FOR CONNECTION TO CEILING MOUNT PROJECTOR ASSEMBLY. PROJECTOR AND MOUNT BY OTHERS. PROJECTOR WEIGHT IS LESS THAN 20LB.
- 11 AV1 'SP': PROVIDE 4-GANG HUBBELL AV BACKBOX #NSAV124M DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV INPUT PASS THRU CABLING WHIPS, FOR CONNECTION TO SHORT THROW PROJECTOR ASSEMBLY. PROJECTOR AND MOUNT BY OTHERS. PROJECTOR WEIGHT IS LESS THAN 20LB.
- 12 AV2: PROVIDE 4-GANG HUBBELL AV BACKBOX #NSAV124M WITH DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV INPUT PASS THRU CABLING (2) HDMI, (1) 3.5mm AUDIO), INSET INTO WALL. COORDINATE LOCATION WITH ARCHITECT. CONTINUE 1-1/4" CONDUIT FROM AV INPUTS TO AV1 LOCATION.
- 13 'TOPCAT' ACCESS AUDIO SYSTEM WITH MEDIA CONNECTOR BY LIGHTSPEED. ALSO PROVIDE 1/2" C. TO PROJECTOR AND TERMINATE 3.5mm AUDIO CABLE COMPLETE.
- 14 PROVIDE AND INSTALL 1" C. UNDERGROUND, HOMERUN TO SECURITY CONTROL PANEL EQUIPMENT LOCATION.
- 15 LOCATE DEDICATED 120V RECEPTACLE AT +36" A.F.F. FOR SECURITY SYSTEM EQUIPMENT (O.F.O.I.). COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

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LIBERTY UNION HIGH SCHOOL DISTRICT

REVISIONS

NO.	DATE	DESCRIPTION
3	12/21/20	ADDENDUM 03
5	01/05/21	ADDENDUM 05

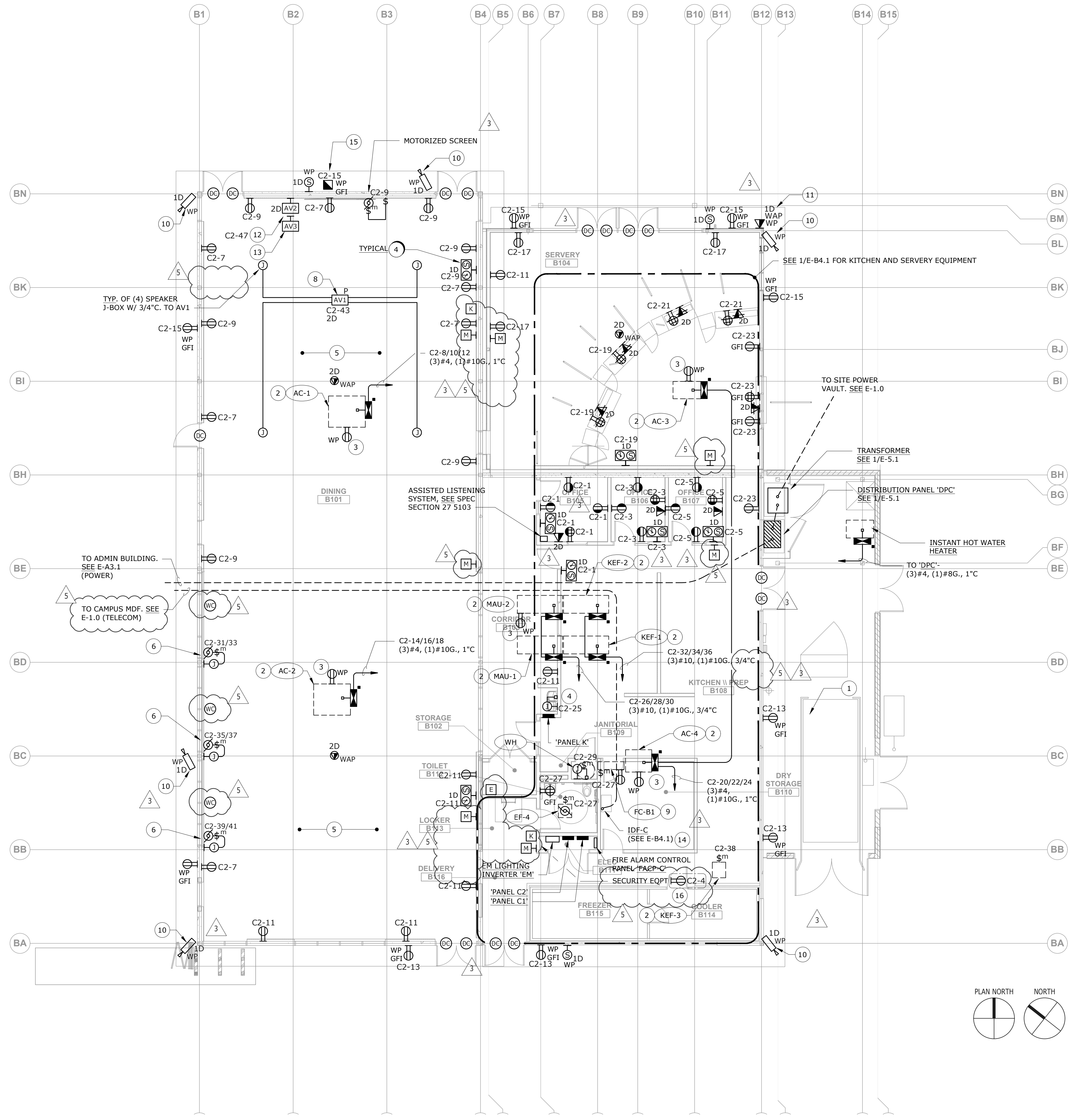
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CD
 DECEMBER 2, 2020
 SHEET TITLE

ADMINISTRATION BLDG - POWER & SIGNAL

SHEET NUMBER

E-A3.1



CAFETERIA KITCHEN PLAN - POWER & SIGNAL
SCALE: 1/8" = 1'-0"

NUMBERED SHEET NOTES

- 1 PROVIDE TEMPORARY POWER SOURCE FOR COMPACTOR AND CARDBOARD BAILER DURING DEMOLITION AND CONSTRUCTION PROCESS.
- 2 MECHANICAL EQUIPMENT LOCATED ON ROOF.
- 3 WEATHERPROOF OUTLET LOCATED ON ROOF. CONNECT TO CIRCUIT C2-40.
- 4 CHILLED WATER FILLING STATION.
- 5 FOR ALL ELECTRICAL / LIGHTING / LOW VOLTAGE ITEMS MOUNTED IN, ON, OR FROM THE HIGH CEILING AREA, PROVIDE MC CABLE (POWER) AND METALLIC FLEX CONDUIT (LOW VOLTAGE) UP SOUTH PERIMETER WALL FURRING AND INTO AND THROUGH CEILING CAVITY SPACE. REFER TO ARCHITECTURAL SECTIONS FOR PROFILE OF LIMITED WALL AND CEILING TRANSITION SPACE. FOR RACEWAYS IN CEILING, MAINTAIN A MINIMUM OF 1.5" CLEAR FROM THE BOTTOM OF ANY ROOFING MATERIALS, PER NEC 300.4(E).
- 6 ELECTRIC ROLL UP DOOR (208, 1PH, 30A). PROVIDE AND INSTALL PUSH BUTTON CONTROLS WITH 'UP', 'DOWN' AND 'STOP' FUNCTIONS. WIRING/CONDUIT: (2) #8 + (1) #10G. IN 3/4" C.
- 7 FOR ALL CLOCKS PROVIDE 120V CIRCUIT.
- 8 AV2: PROVIDE 4-GANG HUBBELL AV BACKBOX #NSAV124M WITH DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV INPUT PASS THRU CARLING (2) HDMI, (1) 3.5mm AUDIO). INSET INTO WALL. COORDINATE LOCATION WITH ARCHITECT. CONTINUE 1-1/4" CONDUIT FROM AV INPUTS TO PROJECTOR LOCATION.
- 9 PROVIDE CIRCUIT C2-44/46 FOR FC-B1. ADDITIONALLY CO-LOCATE 120V OUTLET FOR CONDENSATE PUMP.
- 10 PROVIDE RED CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED IP SECURITY CAMERA TO BE SURFACE MOUNTED ON UNDERSIDE OF ROOF SOFFIT BEYOND EDGE OF GLAZING BELOW. COORDINATE EXACT ROUGH-IN LOCATION WITH SECURITY CAMERA INSTALLER PRIOR TO ROUGH-IN.
- 11 PROVIDE YELLOW CATEGORY 6A CABLE AND WP DATA JACK FOR DISTRICT PROVIDED EXTERIOR WI-FI ACCESS POINT. COORDINATE EXACT ROUGH-IN LOCATION WITH DISTRICT PRIOR TO ROUGH-IN.
- 12 AV1 'P': PROVIDE SURFACE MOUNT DOUBLE DUPLEX 120V OUTLET, DATA JACK, AND AV PASS THRU CARLING WHIPS, FOR CONNECTION TO CEILING MOUNT PROJECTOR ASSEMBLY. PROJECTOR AND MOUNT BY OTHERS. PROJECTOR WEIGHT IS LESS THAN 20LB.
- 13 AV3: PROVIDE FLUSH 2-GANG AV BACKBOX FOR MEDIA SWITCHING INPUTS WITH 3/4" C. TO PROJECTOR ASSEMBLY.
- 14 'IDF-C', WALL MOUNTED, SWING-OUT STYLE; 3'H x 30"D (19" RACK FRAME).
- 15 LOW PROFILE CUSTOM TUBE STEEL POWER PEDESTAL. SEE 2/E-5.3
- 16 LOCATE DEDICATED 120V RECEPTACLE AT +36" A.F.F. FOR SECURITY SYSTEM EQUIPMENT (O.F.O.I.). COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

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REVISIONS

3	12/21/20	ADDENDUM 03
5	01/05/21	ADDENDUM 05

DSA APP NO. 01-119033

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PTN: 61721-75 FILE NO: 7-H4

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DECEMBER 2, 2020

SHEET TITLE

CAFETERIA KITCHEN PLAN - POWER & SIGNAL

SHEET NUMBER

E-B3.1